

Panasonic

WORKIO™ DIGITAL COLOR IMAGING SYSTEMS **1810P**

Operating Manual



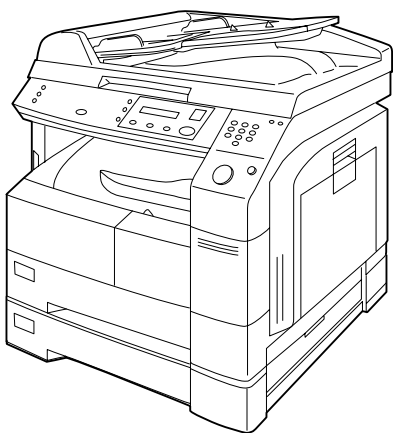
Operating Instructions For:

DP-1810P Copier

**DP-1810/2000/2010/2500/
3000 Printer**

**DP-135/150/1810/2000/2010/
2500/3000**

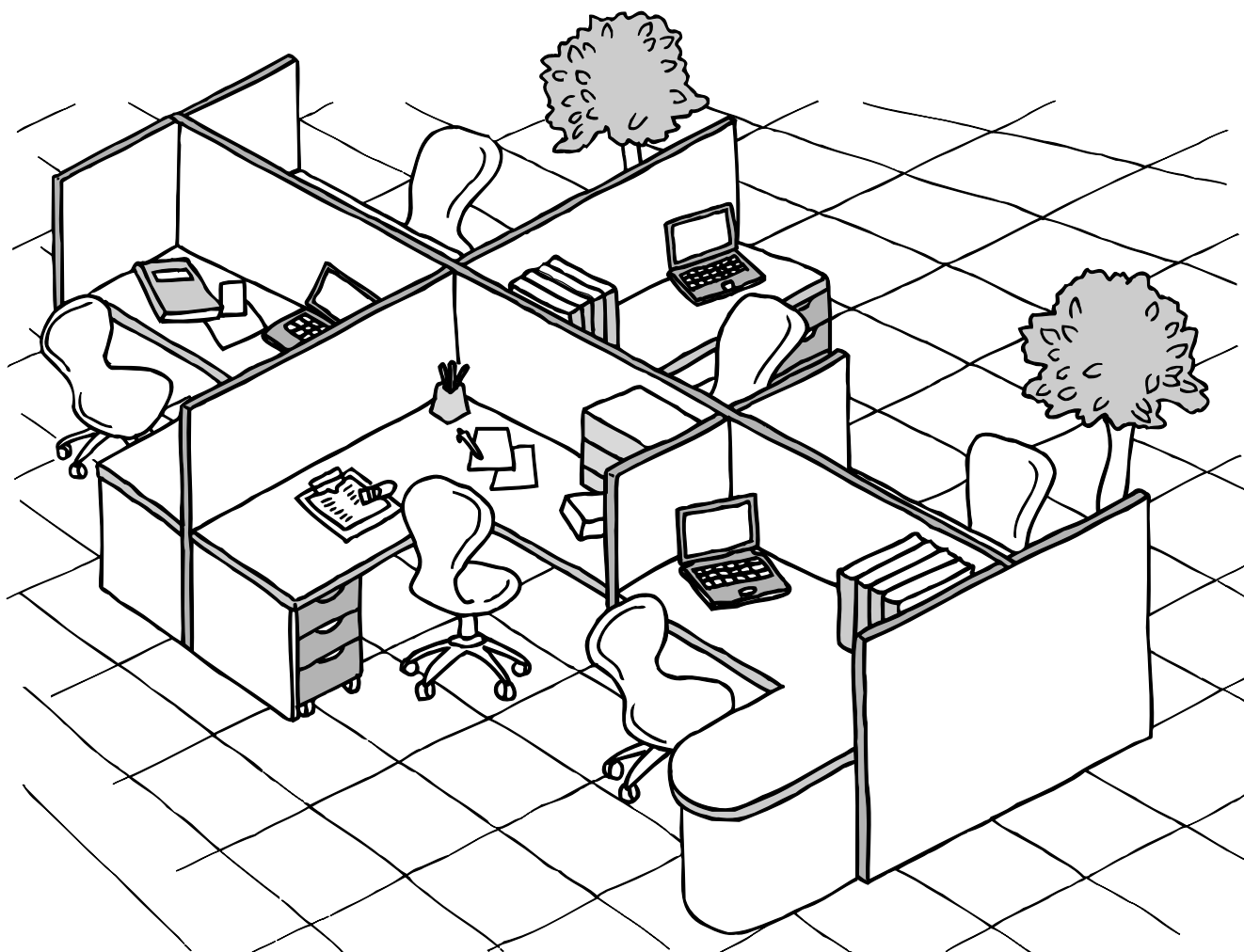
**Document Management System
Printer and Class 2 Fax Modem**



Panasonic®

Digital Imaging Systems Operating Instructions (For Copier)

Model No. DP-1810P



Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

Getting To Know Your
Machine

Before Starting

Making Copies

Options



Others

IMPORTANT INFORMATION

When requesting information, supplies or service always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the rear side of machine. For your convenience, space is provided below to record information you may need in the future.

Model No.

Serial No.

Date of Purchase

Dealer

Address

Telephone Number

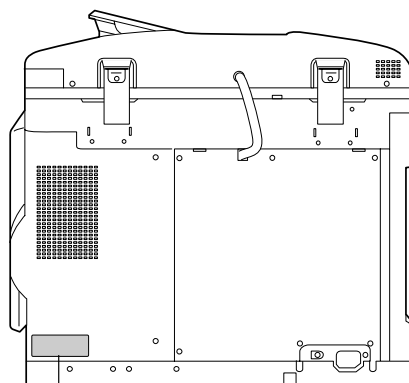
()

Supplies Telephone Number

()

Service Telephone Number

()



(Digital copier with ADF option)

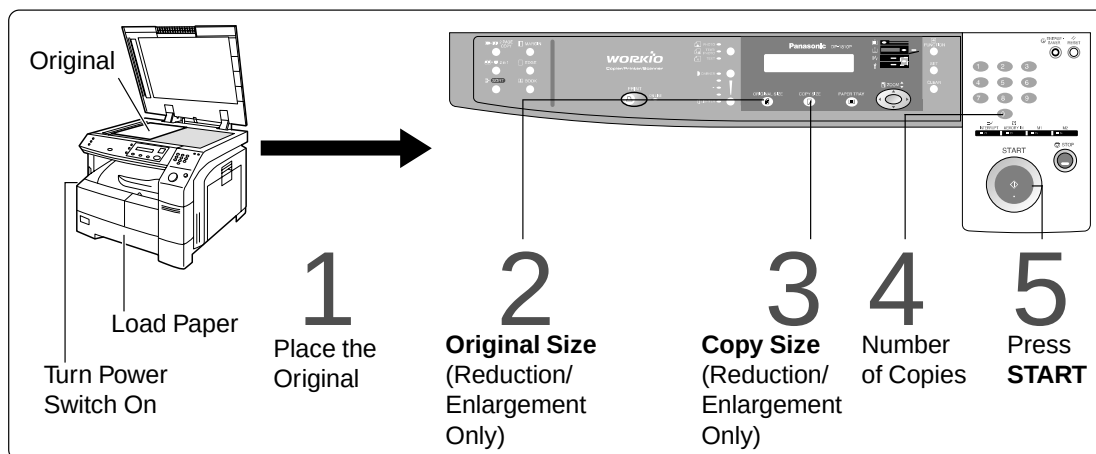
Model and Serial Number

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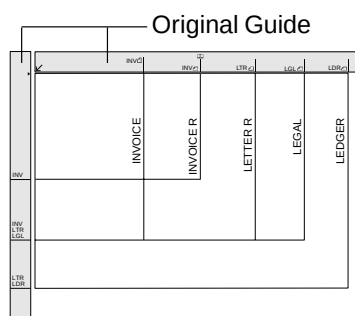
Operation Chart

Common Features and Usage

Basic Operation



Position of the Original



- Place originals face down on the platen or face up on the ADF.
- If the original is not positioned properly, a portion of the original may not be copied.
- For originals smaller than invoice size, position the original within the area of INVOICE and select invoice.

Commonly Used Functions and Operating Procedures

Full Size

Makes a copy that is the same size as the original

1 → 4 → 5 (See page 12)

Reduction or Enlargement

Copies the original at a fixed reduction or enlargement ratio

1 → 2 → 3 → 4 → 5 (See page 13)

Memory Capacity

When the memory becomes full during original scanning, the message "Function not available for lack of memory" will be displayed in the message display. In this case, follow the operating instruction in the message display.

When additional memory is required, consult with an authorized servicing dealer.

Energy Star



As an **ENERGY STAR**® Partner, Panasonic has determined that this product meets the **ENERGY STAR**® guidelines for energy efficiency.

This voluntary program specifies certain energy consumption and usage standards. This product will automatically “power down” after a specified period of non-use. The use of this **ENERGY STAR**® compliant product will reduce energy consumption and ultimately benefit the environment.

The default functions can be adjusted depending on your office requirements. Please see your authorized Panasonic dealer for more details.

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Precautions

For Your Safety

■ Laser Safety

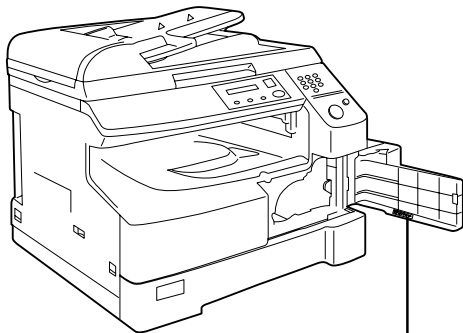
LASER SAFETY

This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

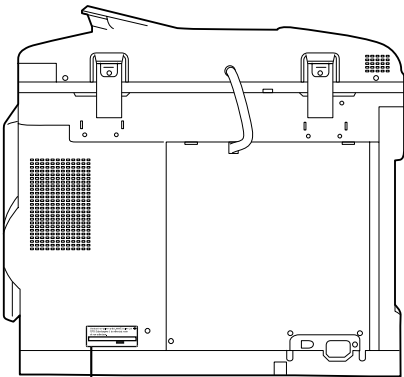
CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Caution Labels



(Digital copier with ADF option)



(Digital copier with ADF option)

• **DANGER** : Invisible laser radiation when open and interlock defeated, AVOID DIRECT EXPOSURE TO BEAM.
• **CAUTION** : Invisible and hazardous laser radiation when interlocks defeated, AVOID EXPOSURE TO BEAM.
• **ATTENTION** : Rayonnement laser invisible dangereux lorsque la sécurité est neutralisée, EXPOSITION DANGEREUSE AU FAISCEAU.
• **VORSICHT** : Unsichtbare Laserstrahlung, wenn Sicherheitsverriegelung überbrückt, NICHT DEM STRAHL AUSSETZEN.
• **PELIGRO** : Cuando se invalida el bloqueo se producen radiaciones invisibles de láser, EVITESE LA EXPOSICIÓN DIRECTA A TALES RAYOS.
• **VARO!** : Näkymättömiä ja vaarallista lasersäteilyä suojalukitus ohitettaessa, Vältä suoraan altistumista silloille.
• **ADVARSEL** : USYNLIG LASERSTRÅLING NÅR SIKKERHEDSÅF-BRYDERE ER UDE AF FUNKTION, UNDGÅ UDSETTELSE FOR STRÅLING.
• **ADVARSEL** : USYNLIG LASERSTRÅLING NÅR SIKKERHEDS-LAS RYTTES, UNNGÅ EKSPONERING FOR STRÅLEN.
• **WARNING** : OSYNLIG LASERSTRÅLING NÅR SPÄRRARÄR URKOPPLADE, STRÅLEN ÄR FARLIG.
• **注意** : 光防止激光照射。当连接本机时，请勿暴露激光柱下。
• **주의** : 연결중치가 고를 때에는 눈에 보이지않고 위험한 레이저 방사선이 빛에 직접 닿지않도록 해 주십시오.
FBS8902

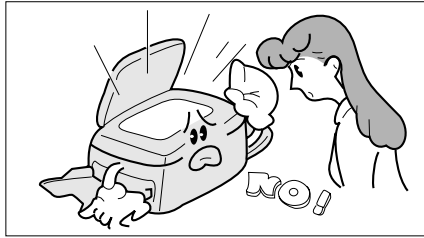
Product complies with DHHS Rules 21
CFR Subchapter J in effect at date
of manufacture.

Manufacturer's name and address

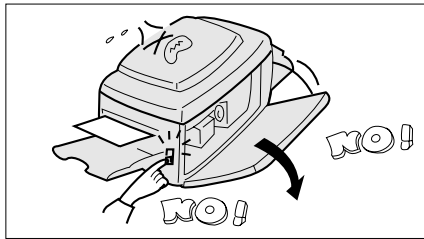
Factory ID

Precautions

Handling

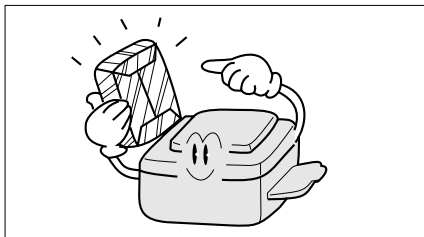


- Do not look directly at the exposure lamp when copying.



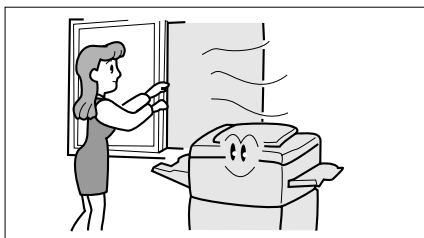
- Do not turn the power switch Off or open the front panel during copying.
- Do not drop paper clips or other metal objects into the copier.

Toner and Paper



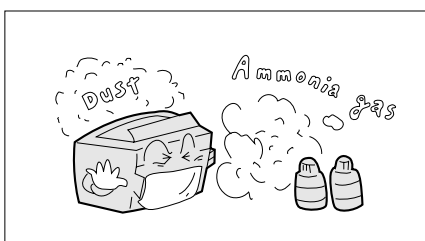
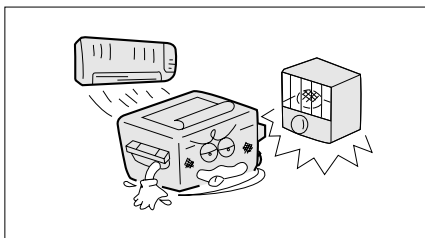
- Store toner, drum and paper in cool areas with low humidity.
- High quality paper of 16 - 24 lb (60 – 90 g/m²) [15 – 34 lb (56 – 128 g/m²) using the sheet bypass] may be used.
- For optimum performance, it is recommended that only Panasonic Brand supplies are used in the copier.

Ventilation



- The copier should be installed in a well-ventilated area to minimize the ozone density in the air.

Installation



- The copier should not be installed in areas with the following conditions:
 - Extremely high or low temperature and humidity.
 - Ambient conditions
 - Temperature: 50°F – 95°F (10°C – 35°C)
 - Relative humidity: 45% – 85%
 - Where temperature and humidity can change rapidly, causing condensation.
 - Direct exposure to sunlight.
 - Directly in the air conditioning flow.
 - In areas of high dust concentration.
 - In areas of poor ventilation.
 - In areas with chemical fume concentration.
 - In areas with extreme vibration.
 - With unstable or uneven conditions (floors, etc.).

- The maximum power consumption is 1.5 kW.
A properly wired (grounded), dedicated, 15A, 120 VAC outlet is required. Do not use an extension cord.
The power cord on this equipment must be used to disconnect the main power. Please ensure that the socket outlet is installed near the equipment and is easily accessible.

FCC WARNING For U.S.A.

FCC WARNING:

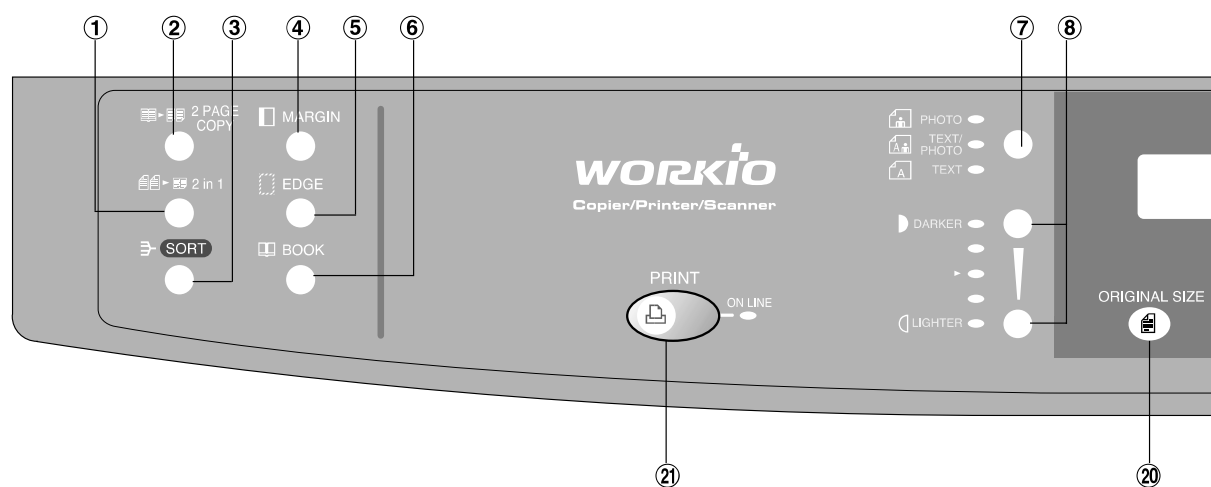
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

The user could lose the authority to operate this equipment if any unauthorized changes or modifications are made to this equipment.

⚠ CAUTION

- THIS PRODUCT CONTAINS A LITHIUM BATTERY. DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.
REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS.

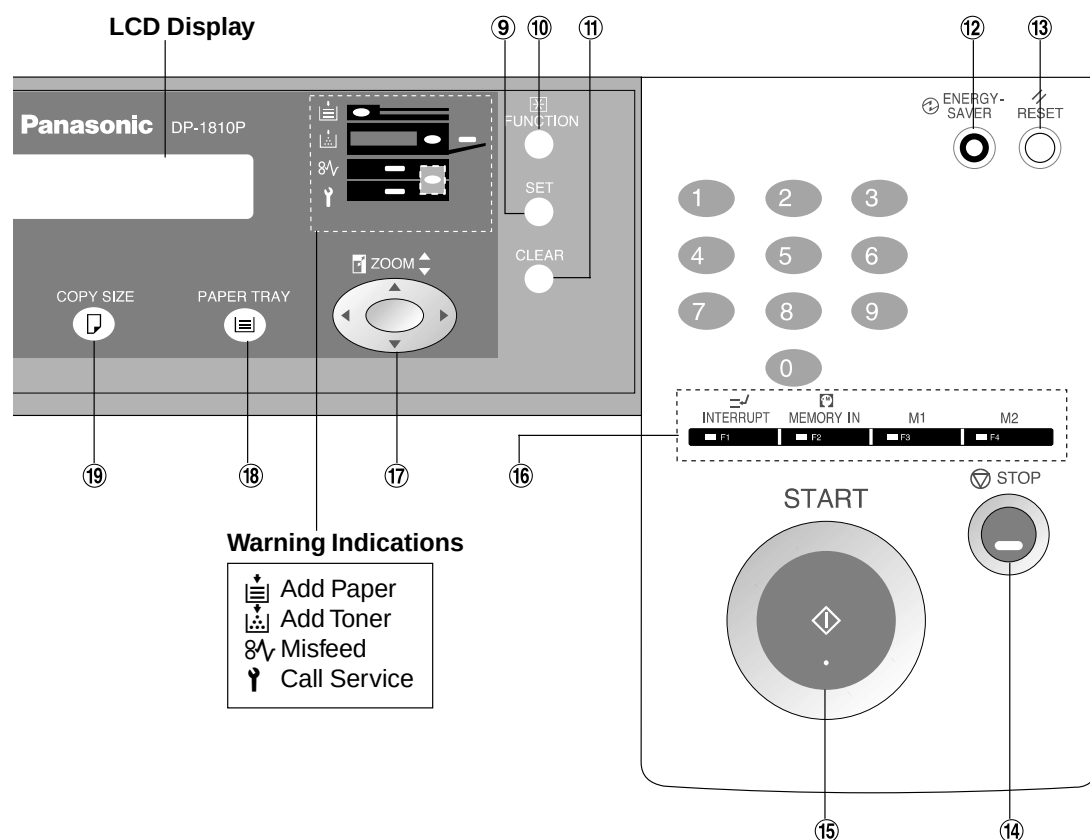
Control Panel



No	Contents	Refer to
①	2 in 1 Key ● From two 1-sided originals, side by side, to 1-sided copies.	Page 16
②	2 Page Copy Key ● Copying two facing pages on a ledger size original on two separate letter size sheets.	Page 17
③	Sort Key ● When using Electric Sorting Mode. Optional memory is required.	Page 20
④	Margin Key ● Shifts the image to the right or left.	Page 18
⑤	Edge Key ● Creates a blank edge.	Page 18
⑥	Book Key ● Eliminates dark inner binding shadows.	Page 18
⑦	Original Mode Select Key (Photo;Text/Photo;Text)	Page 12
⑧	Exposure Keys (Darker, Lighter)	Page 12
⑨	SET Key ● Set the present selection.	—
⑩	Function Key ● Use when changing the paper size, initial values for functions (default values) and key operator settings.	Pages 25– 34
⑪	Clear Key ● Clears the copy count in the display.	—
⑫	Energy Saver Key ● Can save power while the copier is not in use.	Page 21
⑬	Reset Key ● Resets all features to the initial power-on state.	—

NOTE

- The Control Panel displayed above shows only copier functions. Please refer to the operating instructions in the Panasonic Document Management System CD-ROM for the Printer control panel functions.



Warning Indications

- ➕ Add Paper
- ⬇ Add Toner
- ⚡ Misfeed
- 🔧 Call Service

No	Contents	Refer to
⑭	Stop Key ● Stops the copy run.	—
⑮	Start Key ● Used to start an operation.	—
⑯	Interrupt Key, Memory In Key, M1/M2 Keys	Pages 19 – 21
⑰	Cursor Keys ● Select copy ratio and function modes using (▼ or ▲).	—
⑱	Paper Tray Key ● Used to select the paper tray manually.	—
⑲	Copy Size Key ● Used to select Reduction/Enlargement only. For additional details, see page 13.	—
⑳	Original Size Key ● Used to select the original size manually. For additional details, see page 13.	—
㉑	Print Key ● When selecting the Printer ON/OFF Line.	—

NOTE

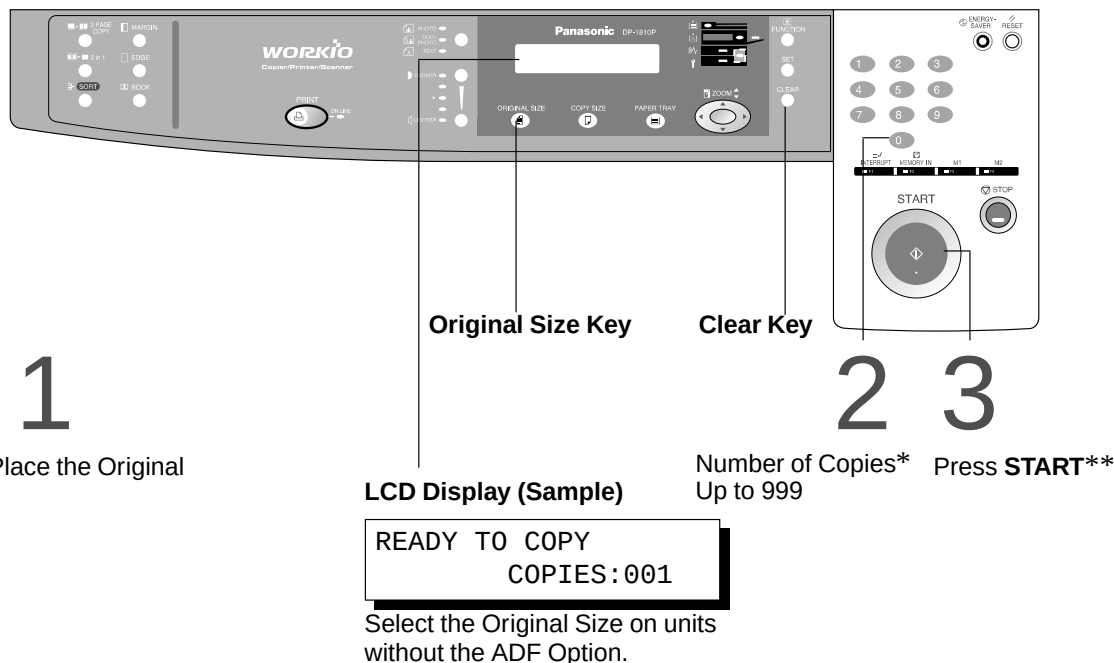
- The Control Panel displayed above shows only copier functions. Please refer to the operating instructions in the Panasonic Document Management System CD-ROM for the Printer control panel functions.

Basic Copy

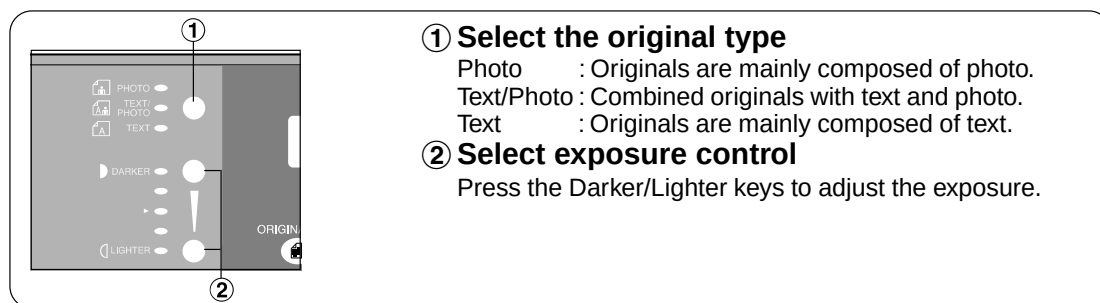
Full Size Copying

■ Copying the Same Size Originals (1:1)

Copy size is automatically selected.



■ Manually Selecting Exposure Control or Original Type

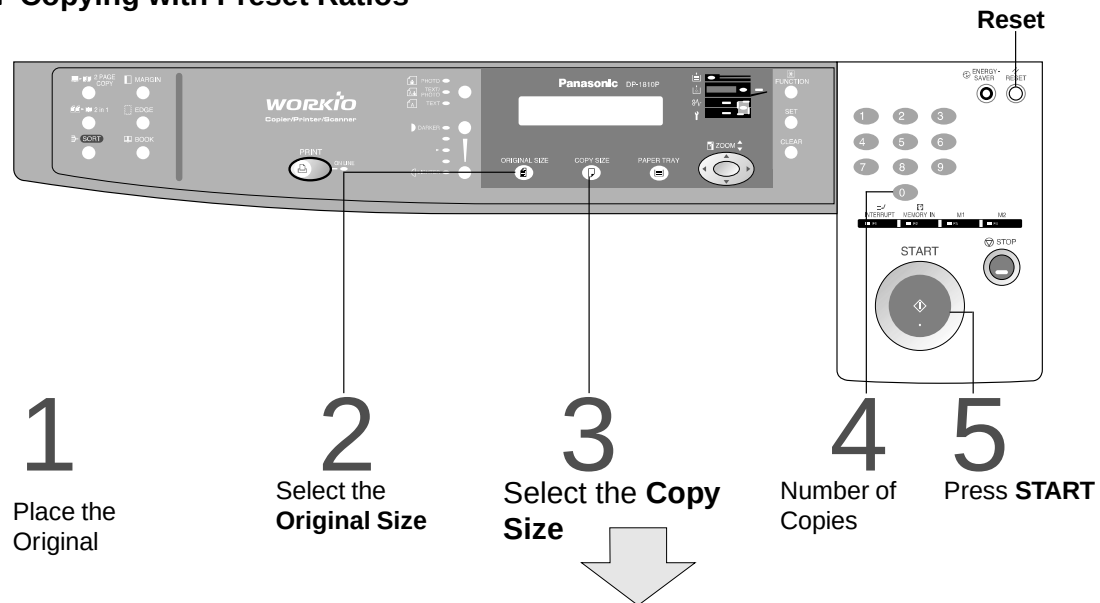


NOTE

- * Use Clear key when canceling the copy count.
- ** While the copier is warming up, you may position your original on the copier, enter your copy job selections and press the Start key. The COPY JOB RESERVED indicator displays until the warm up cycle is completed and the copy job will automatically start.

Reduction or Enlargement Copying

■ Copying with Preset Ratios



Example: Reduction

Original size → Copy size

LEDGER → LETTER

LDR → LTR [LTR]]
ZOOM: 65% COPIES: 001

The correct ratio is automatically selected.
Reduction and enlargement ratios (%)

Original size	Copy size			
	Ledger	Legal	Letter	Invoice
Ledger	100	77	65	50
Legal	121	100	79	61
Letter	129	100	100	65
Invoice	200	155	129	100

● When changing the paper tray, touch the Paper Tray key.

NOTE

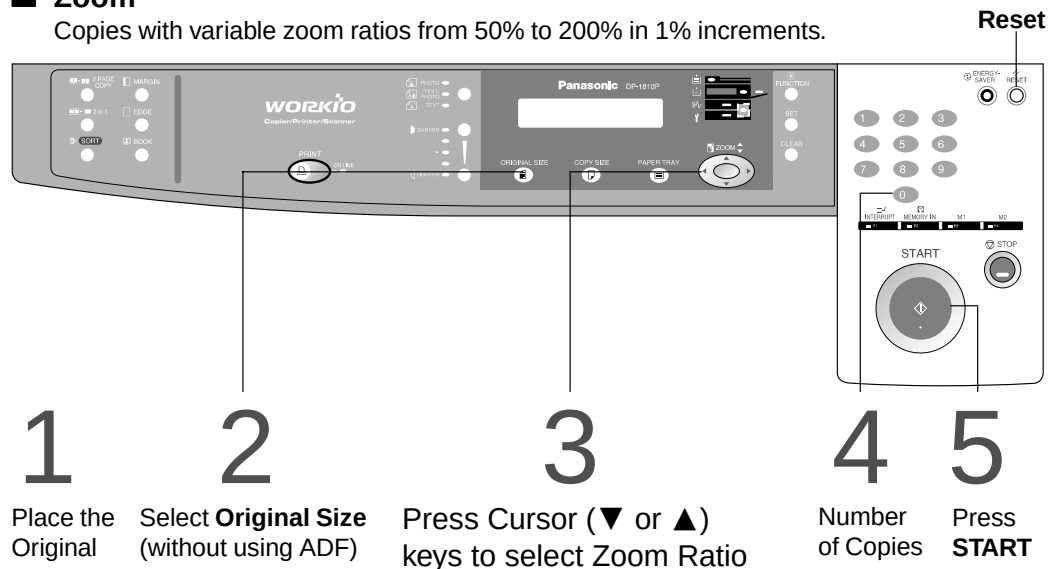
- If the desired copy size is different from the paper size loaded in the paper tray, use the sheet bypass. (See page 15)
- Press the **RESET** key to cancel all job settings.

Basic Copy

Zoom Copying

■ Zoom

Copies with variable zoom ratios from 50% to 200% in 1% increments.



LTR [] -> LTR [] [LTR []]
ZOOM:125% COPIES:001

(Example: 125% Zoom)

ATTENTION

- When changing the paper size after setting the zoom ratio, please use the paper tray key.

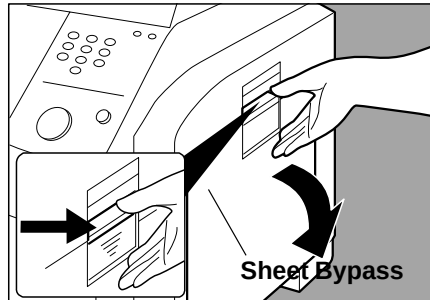
NOTE

- Press the **RESET** key to cancel all job settings.

Using the Sheet Bypass

■ Copying on Special Paper, etc.

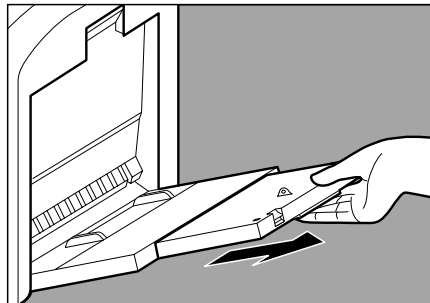
1



Place the original.

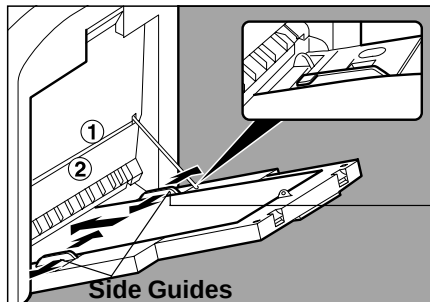
Open the sheet bypass.

2



Pull out the sheet bypass tray until it stops.
(For Ledger size only)

3



① Place the sheets of paper into the tray. (approximately up to 50 Letter size sheets/20 lb)



Insert the paper until it stops.
② **Adjust the side guides.**
Incorrect adjustment may cause the paper to wrinkle, misfeed or skew.

Press **START**.

ATTENTION

- Do not feed curled paper through the sheet bypass to avoid misfeed.

NOTE

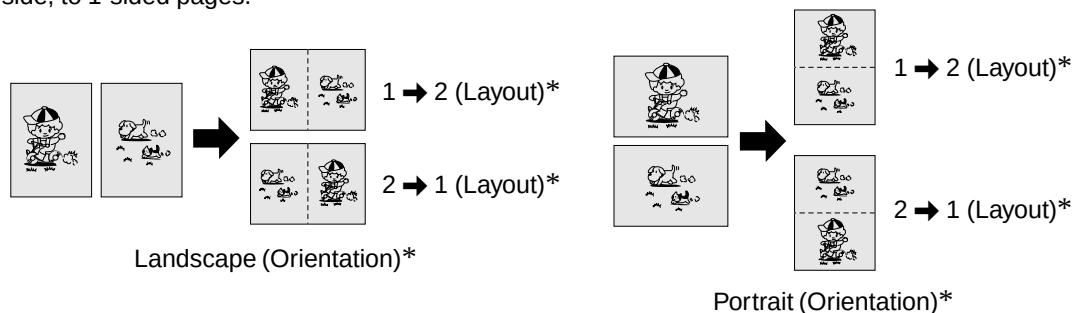
- Adjust the side guides properly to avoid skewing, wrinkling or misfeeding.

Creative Features

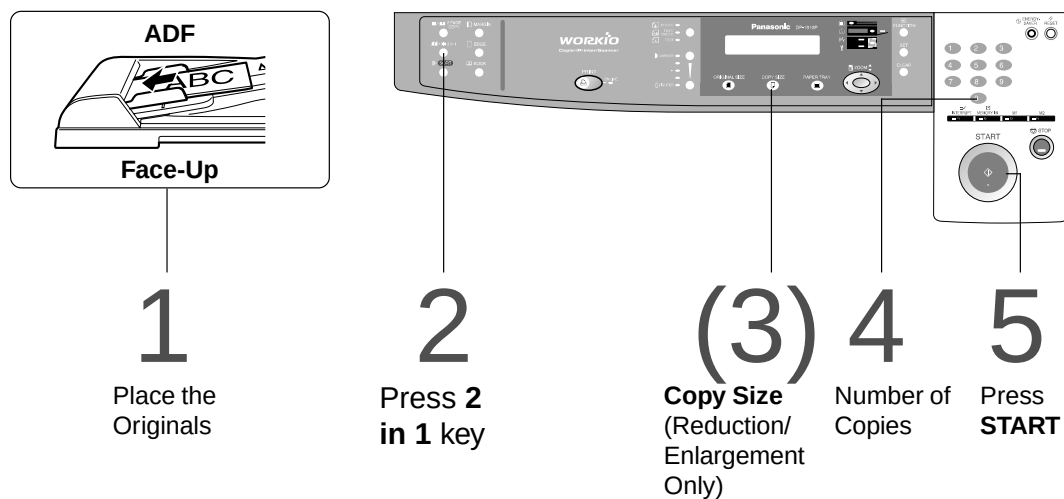
2 in 1 Copy

■ 2 in 1 Copy

From two 1-sided originals, side by side, to 1-sided pages.



■ Procedure



NOTE

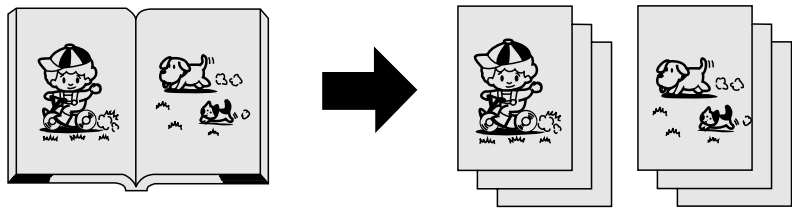
- The ADF is required for 2 in 1 copy.
- Press the **RESET** key to cancel all job settings.

* The Orientation and Layout can be set in the function mode. (See page 27)

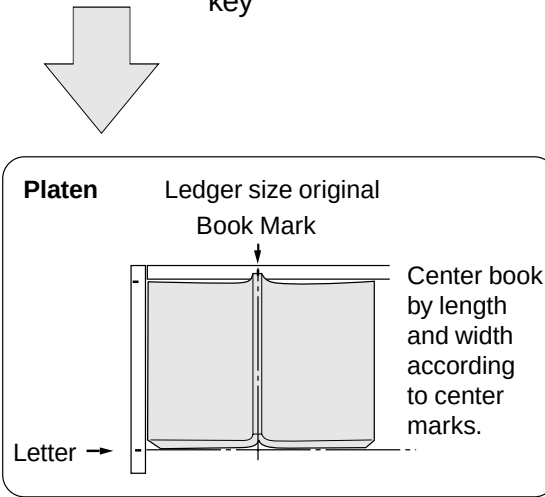
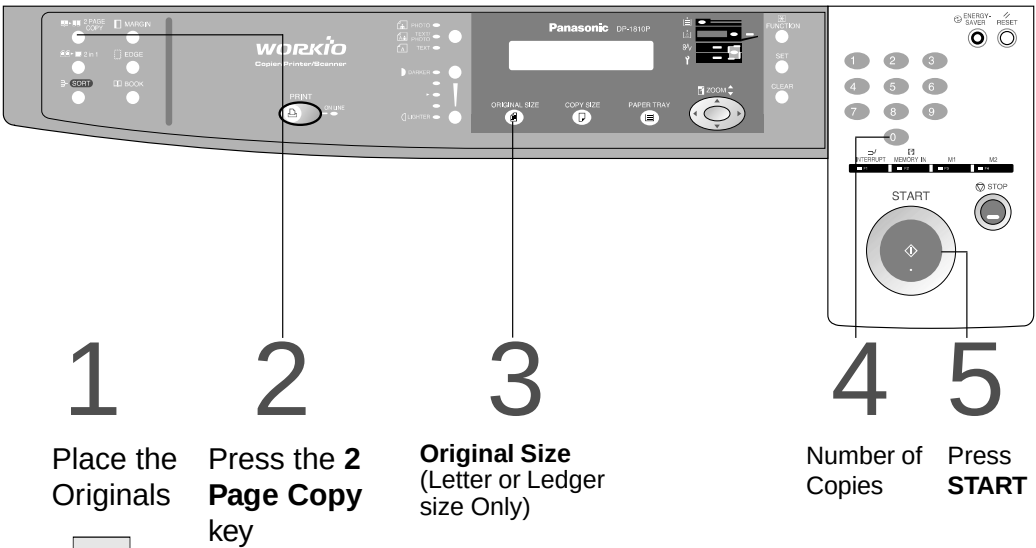
2 Page Copy

■ 2 Page Copy

Copying two facing pages on a ledger size original on two separate letter size sheets.



■ Procedure



NOTE

● To reset all job settings, press the **RESET** key.

Creative Features

Book/Edge/Margin

■ Book Key

Eliminates dark inner binding shadows when copying from a book.

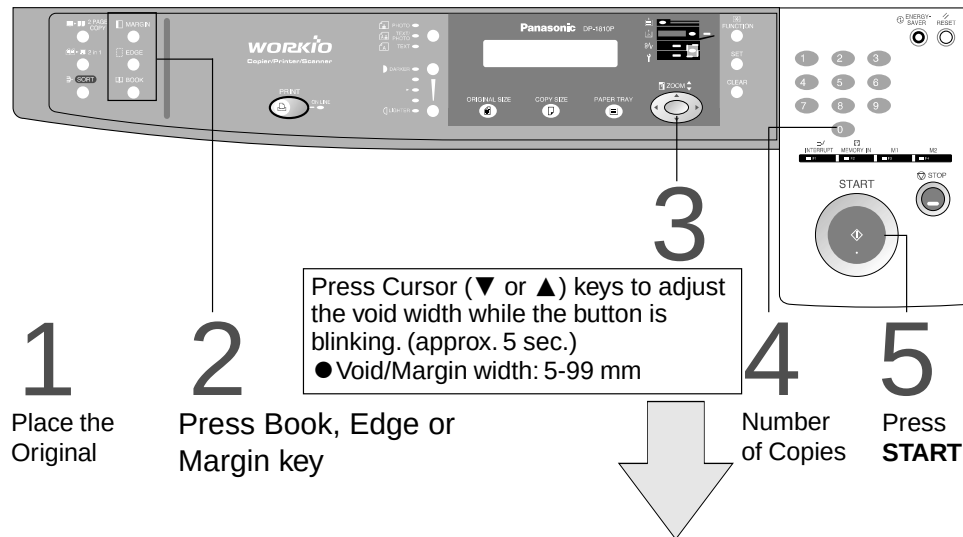
■ Edge Key

Creates a blank edge.

■ Margin Key

Shifts the image to the right or left.

■ Procedure



Book

BOOK MARGIN
CENTER VOID = 20mm ▼▲

* Initial setting (Factory setting): 20 mm

Edge

EQUAL RATE
VOID MARGIN = 5mm ▲

* Initial setting (Factory setting): 5 mm and Equal Rate

Margin**

LEFT MARGIN
10mm ▼▲

* Initial setting (Factory setting): 10 mm and Left Margin

NOTE

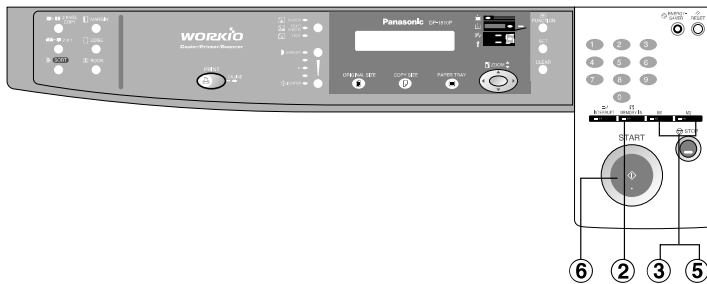
* Initial setting (Factory setting) can be changed in the User Mode function.
(See page 27)

** If a part of the copied image is missing when using the Margin mode, change the Frame Reduction setting to ON.
(See page 27)

● Press the **RESET** key to cancel all job settings.

Job Memory

- Two Copy Jobs Can Be Programmed in Memory (M1, M2) for recall at a later time.



JOB MEMORY
PRESS M1, M2 TO STORE.

RECALL JOB MEMORY
LOADING...

To store a job in memory

- ① Set up the copy job to be stored in memory, by first selecting each function you wish the copier to perform.
- ② Press the **Memory In (F2)** key.
- ③ Press the **M1 (F3)** or **M2 (F4)** key.

To recall a job stored in memory

- ④ Place the Original
- ⑤ Press the **M1 (F3)** or **M2 (F4)** key.
The stored contents will be displayed.
- ⑥ Press **START**

NOTE

- Stored job(s) will not be deleted even if the power switch is turned Off.
- When storing a new job into programmed memory, the previously stored job will be overwritten.

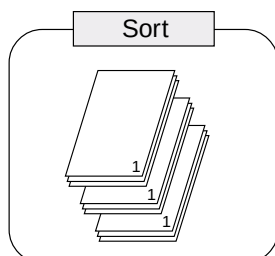
Creative Features

Sort Copy

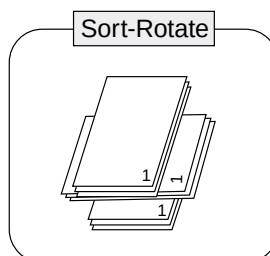
■ Sort Copy

The sort copy has 2 available electronic sorting functions as follows:

Note: Before using the sort copy, select the desired sorting mode by setting its function first (See page 26).

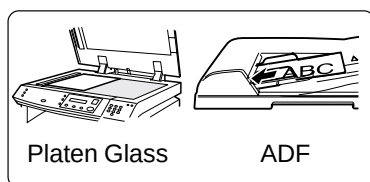


Multiple copies sorted automatically.



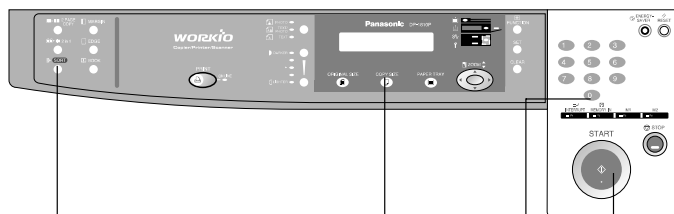
Multiple copies sorted automatically and Stacked in alternate direction.

(Up to Letter size)



1

ADF : Place the Originals
Platen: Place the First Original



2

Select the Sort Mode

(3)

Copy Size (Reduction/Enlargement Only)

4

Number of Copies

5

Press **START**

From Platen Glass only:

6

ANOTHER ORIGINAL?
1:YES 2:NO

Press "1" key.

7

Place next Original

8

Press **START**

9

Repeat steps 6 and 7 until all originals are scanned and stored into the copier's memory.

10

ANOTHER ORIGINAL?
1:YES 2:NO

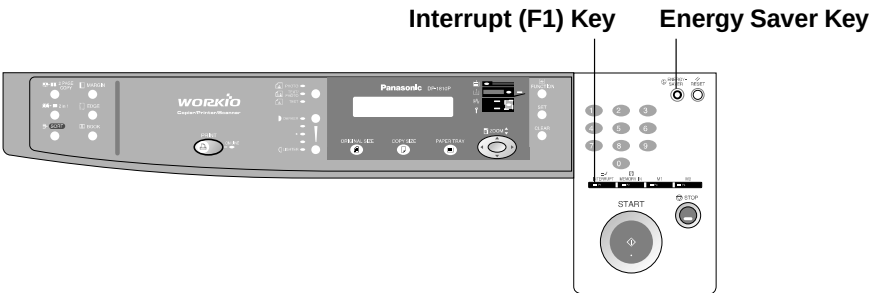
Press "2" key.

NOTE

- When the memory becomes full during original scanning, the message "OUT OF MEMORY....." will be displayed in the message display. If this occurs, follow the instructions in the message display.
For additional memory consult your authorized servicing dealer.
- To reset all job settings, press the RESET key.

Other Features

Energy Saver/Interrupt Mode



ENERGY SAVER



■ These modes can save power while the copier is not in use.

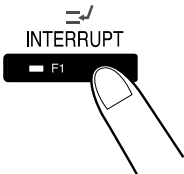
Energy Saver Mode

- ① To enter this mode
Press the **Energy Saver** key or the copier will automatically enter the Energy Saver Mode after 15 minutes* from the last copy. The indicator will flash.
- ② To cancel this mode and make copies
Press the **Energy Saver** key again.

Sleep Mode

- ① Automatically enters the Sleep Mode after 30 minutes from the last copy. The copier power will drop and the indicator will light.
- ② To make copies, press the Energy Saver key.

INTERRUPT



Interrupt Mode

- This mode can interrupt other copy jobs while making copies.
- ① Press the **Interrupt (F1)** key, the indicator will light.
 - ② Make another copy job using the platen glass.
 - ③ Press the **Interrupt (F1)** key again to continue the original job.

Note: The ADF can not be used with interrupt.
(Use only the Platen)

NOTE

* Energy saver time (15 minutes) and Sleep time (30 minutes) can be changed by the key operator. (See page 28)

Modes	Power Consumption	Warm Up Time
Normal Operation	Approximately 91 Wh	N/A
Energy Saver Mode	Approximately 40 Wh	30 sec. recovery
Sleep Mode	Approximately 1.5 Wh	30 sec. recovery

Other Features

Skyshot Mode

■ Skyshot allows copying a manuscript without generating dark borders even if the platen cover or ADF is opened.

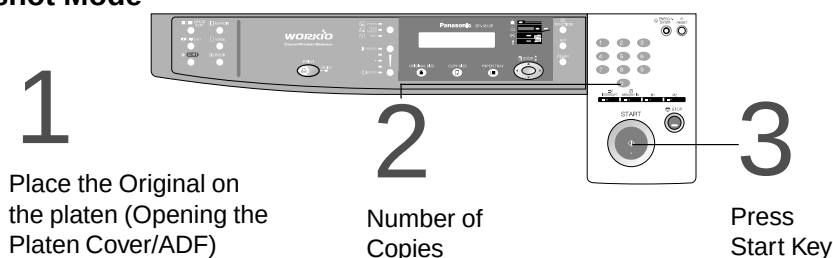
Skyshot mode eliminates dark borders around the originals, and is especially convenient for copying small-sized originals like bank checks or documents with unusual shapes (round, oval, etc.). These documents can be reproduced without generating any unnecessary black areas simply by making a copy with the cover open.

Two types of Skyshot modes can be selected;

Digital Skyshot Mode : The scanning area (size) is not pre-determined.

Manual Skyshot Mode : The scanning area (size) is pre-registered into memory (M1 and M2) in advance. (See page 29)

■ Digital Skyshot Mode



Note: The default setting of Digital Skyshot Mode is "NORMAL". In this setting, the unit scans once. If there are black areas around the borders in the copies, set the Digital Skyshot Mode to "QUALITY" to soften the dark borders. In this setting, the unit scans twice.

FUNCTION MODE (1-2)
ENTER NO. OR ∨ ∧

2: COPIER SETTINGS
PRESS SET TO SELECT

COPIER PARAM. (00-14)
ENTER NO. OR ∨ ∧

06 DIGITAL SKYSHOT
2: NORMAL

① Press the **2** key to select COPIER SETTINGS.

② Press the **SET** key.

③ Press **6** and **SET** key to select DIGITAL SKYSHOT.

④ Press **1-3** key to select the Digital Skyshot Mode.

1: OFF NONE

2: NORMAL Default setting (usually select this mode).

3: QUALITY For better definition, select the Quality mode.

⑤ Press the **SET** key.

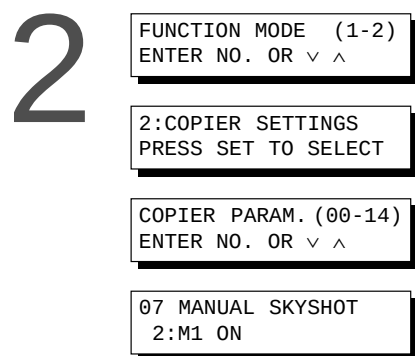
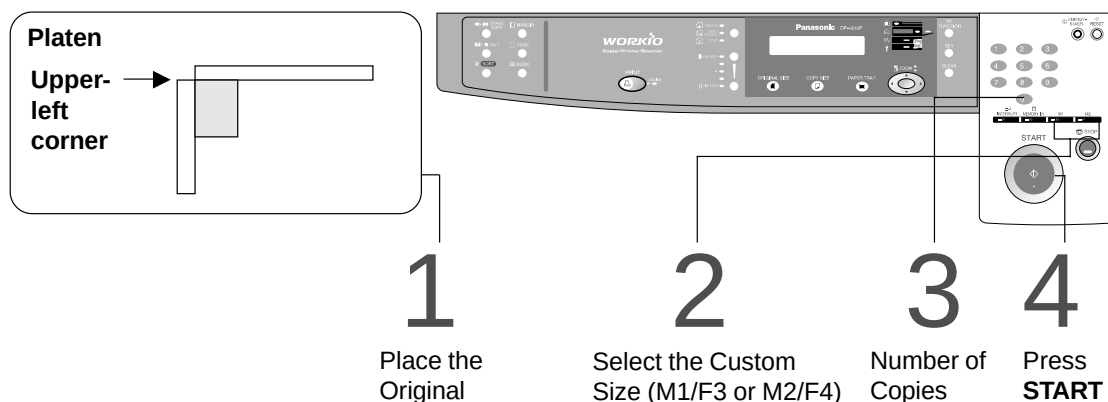
⑥ Press the **Reset** key.

NOTE

- An incorrect exposure may occur when there is a black line at the edge of the original or an image which the copier interprets as a black pattern in the Skyshot mode.
- An incorrect position detection of the original may occur when a strong light shines onto the glass during Skyshot mode.

Manual Skyshot Mode

When using this function, the custom size should be registered into memory (M1, M2) in advance. (See page 29)



- ① Press the **2** key to select COPIER SETTINGS.
- ② Press the **SET** key.
- ③ Press **7** and **SET** key to select MANUAL SKYSHOT.
- ④ Press **2** or **3** key to select the Custom Size.

1: OFF	NONE
2: M1 ON	M1 size is ON*
3: M2 ON	M2 size is ON*
4: M1, M2 ON	Both sizes are ON
- ⑤ Press the **SET** key.
- ⑥ Press the **Reset** key.

NOTE

- * The default size for M1 is: 70(X) × 160(Y) mm, and M2 is: 95(X) × 220(Y) mm
- When changing the M1 or M2 size, consult with the key operator.
- When using the manual skyshot mode, M1 and M2 are turned ON and other job memory cannot be used.
- Press the **RESET** key to cancel all job settings.

Combined Function Table

Next Selections First Selections		Zoom Copy	2-ORIGINAL ► COPY		Margin			SORT			Other Functions	Job Memory Retrieval	Job Memory Storing	Remarks
			2 in 1 Copy	2 Page Copy	Book	Edge	Margin	Non-Sort	Sort	Sort-Rotate	Manual Skyshot			
Zoom Copy		A	○	○	○	○	○	○	○	○	A	A	○	
2-ORIGINAL ► COPY	2 in 1 Copy	○	A	A	○	○	○	○	○	○	A	A	○	
	2 Page Copy	○	A	A	○	○	○	○	○	○	A	A	○	
Margin	Book	○	○	○	A	○	○	○	○	○	A	A	○	
	Edge	○	○	○	○	A	○	○	○	○	A	A	○	
	Margin	○	○	○	○	○	A	○	○	○	A	A	○	
SORT	Non-Sort	○	○	○	○	○	○	A	A	A	A	A	○	
	Sort	○	○	○	○	○	○	A	A	A	A	A	○	
	Sort-Rotate	○	○	○	○	○	○	A	A	A	A	A	○	
Other Functions	Manual Skyshot	○	×	×	○	○	○	—	—	—	A	A	×	
Interrupt		○	×	○	○	○	○	—	—	—	×	×	×	

○ : Possible Combined Functions.

×

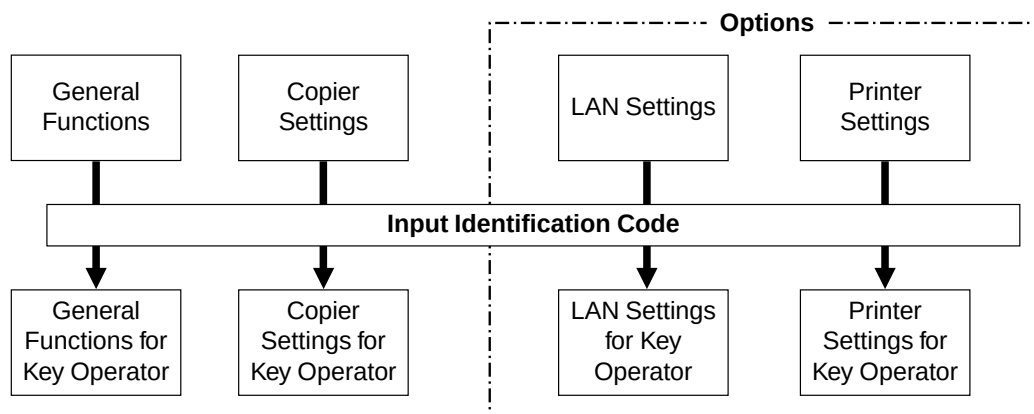
 : Unavailable Combined Functions.

A : Next Selection is Carried Out.

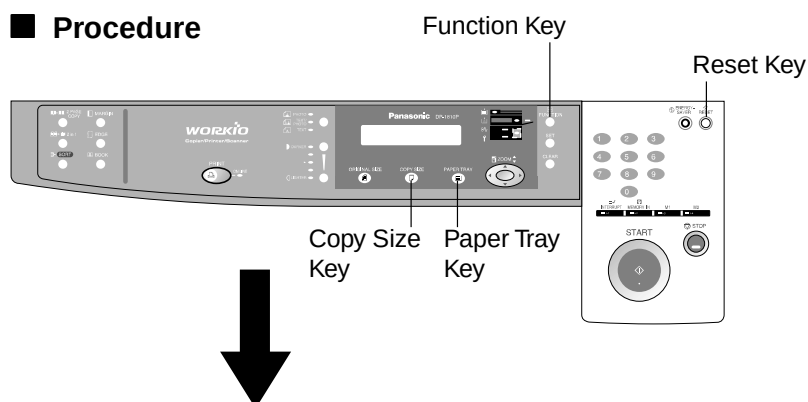
— : Indicates that SORT mode cannot be used. Non-sort operation is carried out.

Function

■ Using Function Modes to Change the Initial Copy Modes



■ Procedure



FUNCTION MODE (1-2)
ENTER NO. OR ▼ ▲

- ① Press the **Function Key**
- ② Press **1** (GENERAL FUNCTIONS) or **2** (COPIER SETTINGS) key. You may also use the (▼ or ▲) keys.
- ③ Press the **SET** key.
- ④ Press the **Keypad** to select function modes or use the (▼ or ▲) keys.
- ⑤ Follow the on screen instructions.
- ⑥ After setting, press the **SET** key to set up the function.

■ Checking the Copier's Total Counter

To display the copier's Total Counter, press the **Copy Size** and **Paper Tray** keys simultaneously.

NOTE

- Please refer to each options operating instructions for function settings.

Function

General Functions

No.	Modes	Function	Initial Setting
00	SORT MODE DEFAULT	Selects the sort mode. ● NON-SORT, SORT	NON-SORT
05	SORT MEMORY USAGE	Displays the amount of sort memory used on the panel. ● INVALID, VALID	INVALID
06	DEPT. COUNTER	Copy usage and copy limit of the selected department and total copy usage will appear on the screen.	Consult your service technician.
08	SORT-ROTATE DEFAULT	Select Sort-Rotate mode. ● OFF, ON	ON
09	KEY OPERATOR MODE	Input the key operator ID code.	

Copier Settings

No.	Modes	Function	Initial Setting
00	MARGIN DEFAULT	Selects the margin position and shift value. ● POSITION (Left, Right, Top, Bottom) ● VALUE (5 - 99 mm)	LEFT 10 mm
01	EDGE DEFAULT	Selects the edge mode (Equal Rate = set the same value for X & Y or Individual = set the value for X & Y individually) and width. ● EQUAL RATE (X & Y), INDIVIDUAL ● 5 - 99 mm	EQUAL RATE 5 mm
02	BOOK MARGIN DEF.	Selects the book Center Void margin width. ● 5- 99 mm	20 mm
03	FRAME MARGIN	Select the reduction ratio in margin mode. ● INVALID, VALID	INVALID
04	2-SIDED MODE DEF.	Function sets the duplex priority mode. ● OFF, 1 → 2, 2 → 2, Book → 2	OFF
05	2 in 1 WITH FRAME	Selects whether or not to disable edge deletion. ● INVALID, VALID	INVALID
06	DIGITAL SKYSHOT	Enables or disables the use of skyshot mode. ● OFF, NORMAL, QUALITY	NORMAL
07	MANUAL SKYSHOT	Enables or disables the use of Manual Skyshot. ● OFF; M1 ON; M2 ON; M1, M2 ON	OFF
08	AUTO EXPOSURE	Automatically adjusts the copy density for text and photographic originals. ● INVALID, VALID	INVALID
09	1 → 2 BINDING DEF.	Selects the binding location for 1 → 2 Copy. ● LONG EDGE, SHORT EDGE	LONG EDGE
10	2 → 1 BINDING DEF.	Selects the binding location for 2 → 1 Copy. ● LONG EDGE, SHORT EDGE	LONG EDGE
11	BOOK → 2 DEFAULT	Selects the page order and book format for Book → 2 Copy. 1. BOOK FORMAT (1: FACING, 2: FLIPPING) 2. PAGE ORDER (1: L → R, 2: R → L)	FACING L → R
12	2 in 1 DEFAULT	Selects the orientation and layout for 2 in 1 Copy. ● ORIENTATION (Portrait, L-Scape) ● LAYOUT (L → R, R → L)	PORTRAIT L → R
13	2 PAGE MODE DEF.	Selects the 2 page mode. ● L → R, R → L	L → R
14	KEY OPERATOR MODE	Input key operator ID code.	

NOTE

● Certain Functions or Parameters are available for selection only when their respective option is installed.

Function

General Functions for Key Operator

No.	Modes	Function	Initial Setting
01	AUTO RESET TIME	Selects the Control Panel reset time. ● OFF, 30 sec, 1 min., 2 min., 3 min., 4 min.	1 min.
02	ENERGY SAVER MODE	Sets the Energy Saver mode and time. ● INVALID, ENERGY-SAVER, SLEEP Energy save mode timer : 1-120 minutes Sleep mode timer : 1-120 minutes	SLEEP
04	LANGUAGE DEFAULT	Selects the message language of the display. ● A-ENGLISH, C-FRENCH, SPANISH	A-ENGLISH
05	SPECIAL TRAY 1	Sets the paper tray for special paper (ex: colored). ● NONE, TRAY 1, TRAY 2, BYPASS	NONE
06	SPECIAL TRAY 2	Sets the paper tray for special paper. ● NONE, TRAY 1, TRAY 2, BYPASS	NONE
09	KEY/TOUCH BEEP	Sets the panel touch sound. ● OFF, SOFT, LOUD	SOFT
10	BYPASS SET BEEP	Sets the sound when put paper(s) on bypass tray. ● 1: INVALID 2: VALID	INVALID
11	ORIG.SET BEEP ADF	Sets the sound when put paper(s) on ADF. ● 1: INVALID 2: VALID	VALID
14	DEPT.COUNTER MODE	Monitors copy usage of each department. (1) TOTAL COUNTER (2) DEPT. COUNTER (3) DEPT. COUNTER LIST	Consult your service technician.
22	TCP/IP ADDRESS	* Sets the IP Address assigned to your machine. ● 3 digit × 4 (Use the MEMORY IN key to enter the "." between each set of 3-digit numbers)	Contact your Network Administrator.
23	TCP/IP SUBNET MSK	* Sets the Subnet Mask. ● 3 digit × 4 (Use the MEMORY IN key to enter the "." between each set of 3-digit numbers)	Contact your Network Administrator.
24	TCP/IP G/W ADDR.	* Sets the Subnet Mask. ● 3 digit × 4 (Use the MEMORY IN key to enter the "." between each set of 3-digit numbers)	Contact your Network Administrator.
25	COPY SETTING LIST	Prints list containing Current Setting and Standard Setting.	

NOTE

- It is necessary to input the Key Operator ID code before changing items on this page.
- The Special Tray 1 and 2 are not auto-selectable in the switching mode.
- * Not available for plain copier, but will be available when installing options for advanced functions. (See page 50)

Copier Settings for Key Operator

No.	Modes	Function	Initial Setting
00	PAPER SIZE PRIOR.	Specifies the paper size in manual paper size setting mode.	LETTER 
01	ORIGINAL (HOME)	Selects original setting ● TEXT, T/P (Text/Photo), PHOTO	T/P (Text/Photo)
02	TEXT CONTRAST	Selects contrast for Text mode ● 1 ~ 5	3
03	T/P CONTRAST	Selects contrast for Text/Photo mode ● 1 ~ 5	3
04	PHOTO CONTRAST	Selects contrast for Photo mode ● 1 ~ 5	3
10	MAX. COPY SETTING	Determines whether to limit number of copies ● 1 ~ 999	999
12	M1, SIZE	Input a size in memory 1 for frequent usage size. ● X: 5~432/Y: 5~297 mm (See page 22)	70 × 160 mm (X) (Y)
13	M2, SIZE	Input a size in memory 2 for frequent usage size. ● X: 5~432/Y: 5~297 mm (See page 22)	95 × 220 mm (X) (Y)
16	MEM. FULL ACTION	Selects the memory full action ● PRINT, CANCEL	Print

NOTE

- It is necessary to input the Key Operator ID code before changing items on this page.

Function

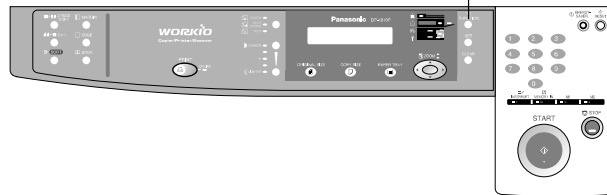
Function Setting

■ Changing the Auto Exposure Setting

You can select whether the copying density is adjusted automatically for text and photographic originals.

1

Press the Function Key



2

Proceed as Follows:

FUNCTION MODE (1-2)
ENTER NO. OR $\vee$ $\wedge$

2:COPIER SETTINGS
PRESS SET TO SELECT

COPIER PARAM. (00-14)
ENTER NO. OR $\vee$ $\wedge$

08 AUTO EXPOSURE
2:VALID

① Press the **2** key to select COPIER SETTINGS.

② Press the **SET** key.

③ Press **8** and **SET** key to select AUTO EXPOSURE MODE.

④ Press **1** or **2** key whether Auto Exposure is to be carried out or not.

⑤ Press the **SET** key to set up the AUTO EXPOSURE MODE.

⑥ Press the **RESET** key to exit the Function mode.

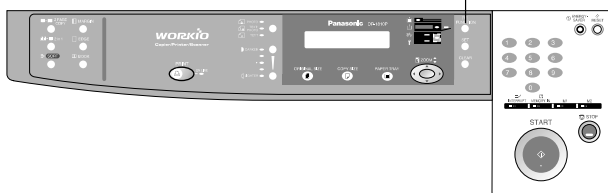
Function Setting for Key Operator

■ Changing the Paper Size

The paper trays are designed to accommodate invoice, letter, letter R, legal and ledger size paper. To change the paper size, perform the steps shown below.

1

Press the Function Key



2

Proceed as Follows:

FUNCTION MODE (1-2)
ENTER NO. OR ▼ ▲

- ① Press the **1** key to select GENERAL FUNCTIONS.

1: GENERAL FUNCTIONS
PRESS SET TO SELECT

- ② Press the **SET** key.

GENERAL PARAM. (0-9)
ENTER NO. OR ▼ ▲

- ③ Press **9** key.

09 KEY OPERATOR MODE
ENTER PASSWORD= - ■ ■

- ④ Input the Key Operator ID code (3 digit) and the **SET** key.

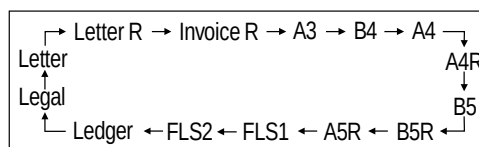
KEY OPR. MODE (00-25)
ENTER NO. OR ▼ ▲

- ⑤ Press **00** and **1** or **2** key to select the PAPER SIZE.

00 PAPER SIZE
1: TRAY-1 [LTR]]

- ⑥ Press **SET** to select the paper tray and press (▼ or ▲) keys to set the paper size.

Paper size changes are as follows.



- ⑦ Press the **SET** key to set up the PAPER SIZE.

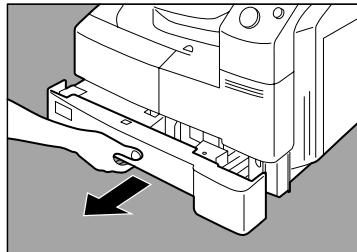
- ⑧ Press the **RESET** key, then exit the Function mode.

Function

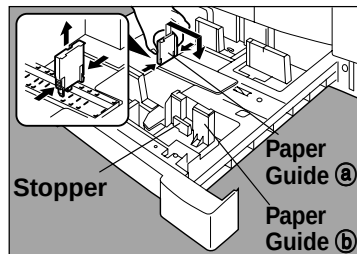
Function Setting for Key Operator

3

Changing the Paper Guide and Paper Size Indicator in the Paper Tray

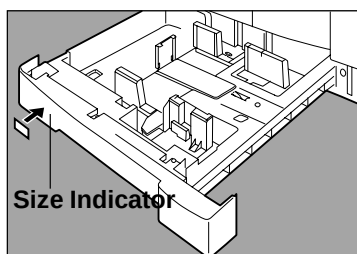
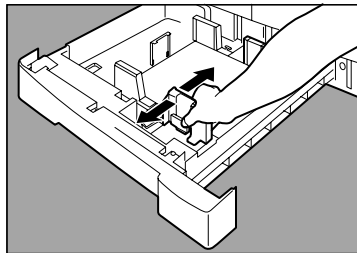


① Pull out paper tray and remove paper.



② Move the paper guide (a) to the paper length required.

③ Move the paper guide (b) to the paper width required.
Pinch the stopper to move the paper guide (b).



④ Change the paper size indicator.

⑤ Close the paper tray.

NOTE

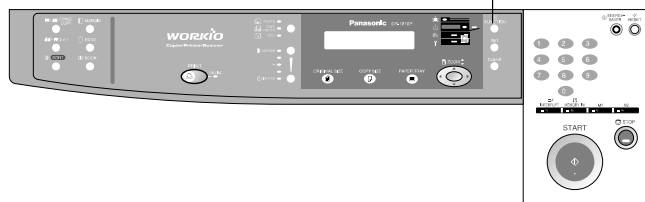
- It is recommended that the paper guide (b) be fixed in place with screws. Consult an authorized servicing dealer for details on how to fasten using screws.

■ Departmental Counter

The Key operator can manage, limit copies, counters and code numbers for each department.
(Maximum department number: 50)

1

Press the Function Key



2

Proceed as Follows:

FUNCTION MODE (1-2)
ENTER NO. OR $\vee$ $\wedge$

- ① Press the **1** key to select GENERAL FUNCTIONS.

1: GENERAL FUNCTIONS
PRESS SET TO SELECT

- ④ Press the Key Operator ID code (3 digit) and **SET** key.

KEY OPR. MODE (00-25)
ENTER NO. OR $\vee$ $\wedge$

- ② Press the **SET** key.

GENERAL PARAM. (0-9)
ENTER NO. OR $\vee$ $\wedge$

- ⑤ Press **14** and the **SET** key to select DEPT. COUNTER MODE.

- ③ Press **9** key.

09 KEY OPERATOR MODE
ENTER PASSWORD=- ■ ■

NOTE

- To reset the function mode, press the **RESET** key.
- Contact your authorized servicing dealer to enable the Departmental Counter feature.

Function

Function Setting for Key Operator

3

Select the Department Counter Mode.

14 DEPT.COUNTER MODE
1:TOTAL COUNTER

DEPT. CODE (01-50)
ENTER NO. OR $\vee$ $\wedge$

Press 2 and the **SET** key.

4

Change the Department ID Code, limit the maximum number of copies and department Counter number.

I.D CODE
01:1234

- ① Press the **Keypad** and the **SET** key to input the Department ID Code.

01: 1234 ← Department ID Code
↑
Department No.

MAX COPIES
01:123456

- ② Press the **Keypad** and the **SET** key to input the maximum number of copies.

01: 123456 ← Maximun number of copies (6 digits)
↑
Department No.

DEPT. COUNTER
01:123456

- ③ Press the **Keypad** and the **SET** key ($\blacktriangledown$ or $\blacktriangle$ keys) to select the Department No.

01: 123456 ← Counter (6 digits)
↑
Department No.

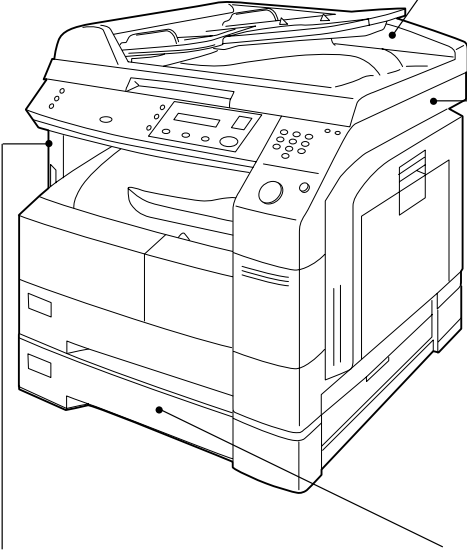
- ④ Press **0** and the **SET** key (Input "0") to clear the counter.

NOTE

- To reset the function mode, press the **RESET** key.

Accessories

Components



ADF (Automatic Document Feeder)
(DA-AS180)

- Feeds originals automatically.
- For 2 in 1 copying.

Image Memory
(DA-SM16B/SM28B)

- 16/128 MB
- To increase the memory capacity for electronic sorting.

PCL6 Emulation Kit
(DA-PC210)

- Printer Controller for PCL6*

**10/100 Ethernet Interface/
Internet Fax Kit**
(DA-NE200)

- Network Interface Board

2nd Paper Feed Module
(DA-DS182)

- To increase the paper feed sources and capacity.
Paper Feed Module × 1
(550 sheets)

NOTE

* PCL6 is a Page Description Language of the Hewlett-Packard Company.

- The table below shows the options which are required for various functions.
- Contact your authorized servicing dealer for details on combinations of options.

Function Options	2-ORIGINAL COPY			Margin			SORT			Other Functions
	Zoom Copy	2 in 1 Copy	2 Page Copy	Book	Edge	Margin	Non-Sort	Sort	Sort-Rotate	Manual Skyshot
ADF		○								
2nd Paper Feed Module									○	

○:Required

Accessories

Automatic Document Feeder

■ ADF (DA-AS180)

1. Features

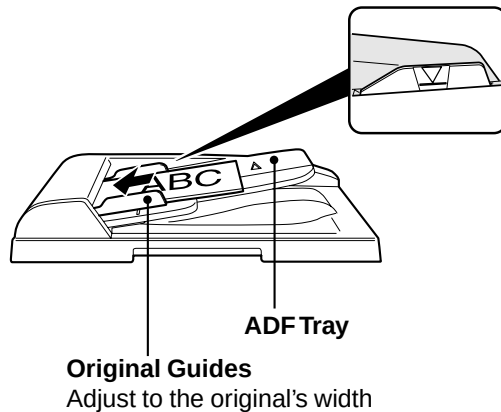
① Automatic Original Feeding

- The ADF tray can hold up to 50 Letter size originals of 20 lb (80 g/m²) paper (up to 30 Legal or Ledger size originals).
It can accommodate originals from invoice to ledger size.
- Automatic original size detection.

② 2 in 1 Copy

- To make a 1-Sided copy (full size or reduction), from two 1-Sided originals side-by-side.

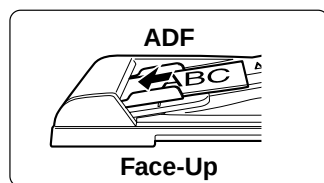
2. Components



- Set the originals up to the upper limit arrow.

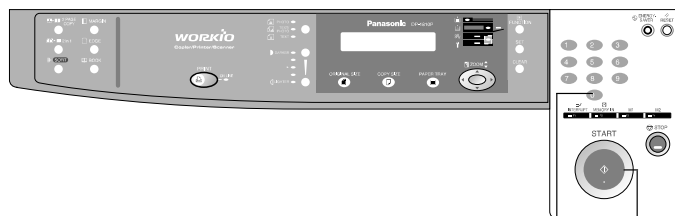
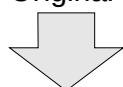
3. Operation

■ Operation Procedure



1

Place the
Original



2 3

Number of
Copies

Press
START

Inappropriate originals

- Paper with a smooth surface such as glossy and coated papers
- Transparencies
- Originals with a lead edge that is "creased", "folded", "punched" or "glued"
- Paste-ups
- Pressure sensitive or carbon backed papers
- Paper with excessive curl
- Stapled originals
- Freshly printed copies from a laser printer

NOTE

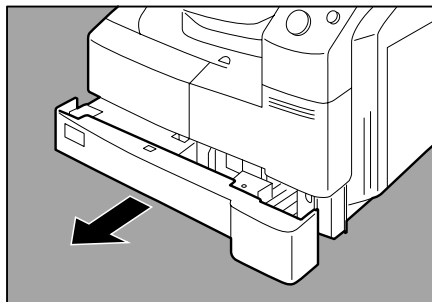
- To copy these kinds of originals, use the Platen Glass instead.

Problem Solving

Adding Paper (📄)

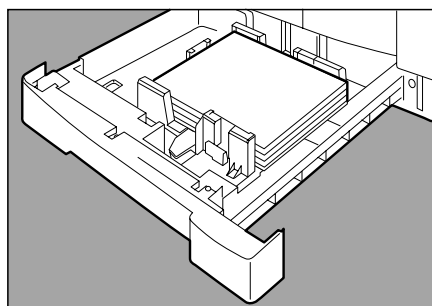
■ 550-Sheet Paper Tray

1



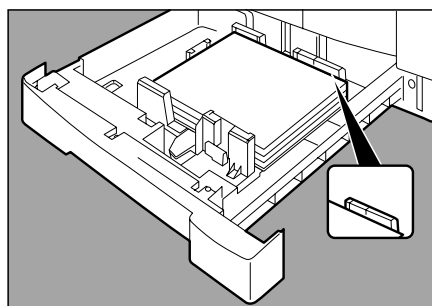
Pull the paper tray out.

2



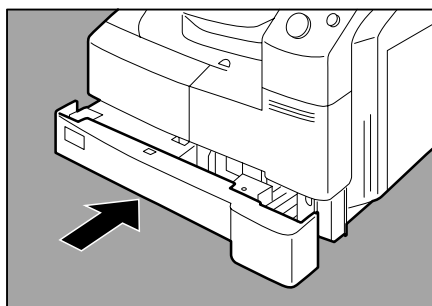
Place the paper with the copying surface facing upward.
Special papers, like glossy paper, mailing labels and transparencies cannot be used in the paper tray. Use the sheet bypass for special paper.

3



Make sure paper is not loaded above the overfill indicator located in the paper tray.

4



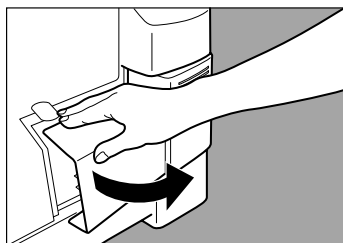
Firmly push the paper tray back into the copier.

ATTENTION

- Do not use paper with folds or wrinkles. Refer to page 30 for details on changing the paper size for the paper tray.
- Unused paper should always be placed into a bag and the opening should be sealed for storage. If the paper is left exposed, problems such as paper curl, paper jams, wrinkles or loss of copied image quality may occur.

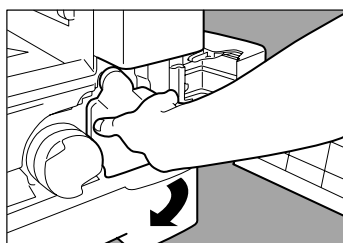
Adding the Toner and Replacing Toner Waste Container (🗑️)

1



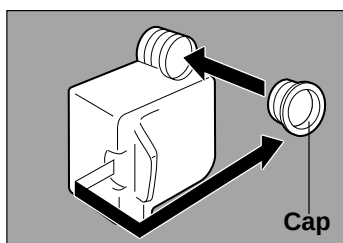
Open the front cover.

2



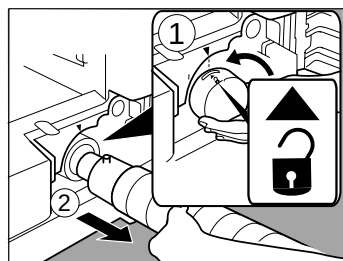
Remove the toner waste container by slowly pulling it towards the left as illustrated.

3



Seal the container with the enclosed cap and dispose of it properly.

4



① Turn the empty Toner Bottle counter-clockwise until it stops. The Arrow mark (**Unlocked** symbol 🗝️) visible on the end of the Toner Bottle is aligned with the Arrow mark on the machine.

Note: To prevent toner spill, ensure that the key is facing upwards before removing the toner bottle.

② Pull out the empty Toner Bottle.

Note: If the bottle will not pull out from the machine, turn the bottle slightly in either direction to release the key and try it again.

ATTENTION

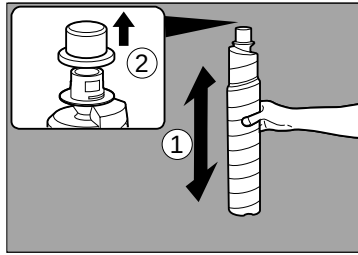
- For optimum copy quality use the recommended Panasonic toner. Store toner in a cool dark place. Do not unseal toner before use. Use it as fast as possible after unsealing.
- When U13 is displayed the Add Toner Warning Indicator will begin to flash. This message is to prompt you that the toner bottle is nearly empty (approx. 300-sheets can be printed). This message will continue to be displayed until the bottle is replaced. When the count-down counter reaches 0, the copier will stop operating. To clear the message and enable the copier to operate, replace the empty toner bottle with a new one.



Problem Solving

Adding the Toner and Replacing Toner Waste Container (🗑️)

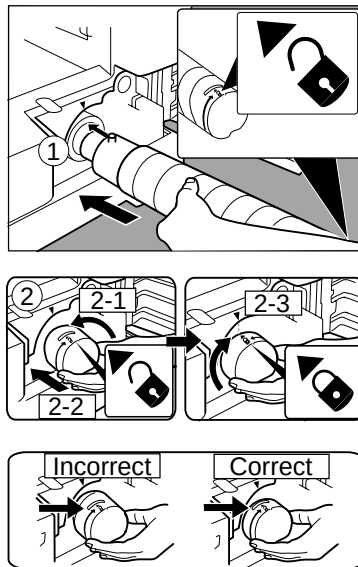
5



① Shake the new toner bottle four or five times to loosen the contents.

② Remove the cap from the toner bottle.

6



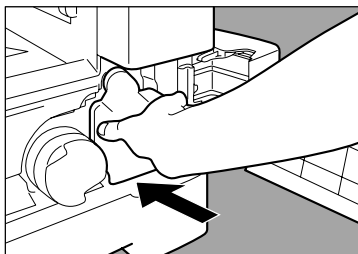
① Align the Key of the bottle, also represented by the Arrow mark (**Unlocked** symbol 🗝️) visible on the end of the Toner Bottle with the Arrow mark on the machine.

Note: To prevent toner spill, ensure that the key is facing upwards before installing the bottle.

② Insert the bottle as far as it will go, then turn it clockwise (160°, approx. 1/2 turn) until it locks (**Locked** symbol 🗝️).

Note: If the bottle is not inserted all the way into the machine as illustrated, turn the bottle slightly in either direction to engage the key and try it again.

7



Install a new toner waste container.

8

Close the front cover.

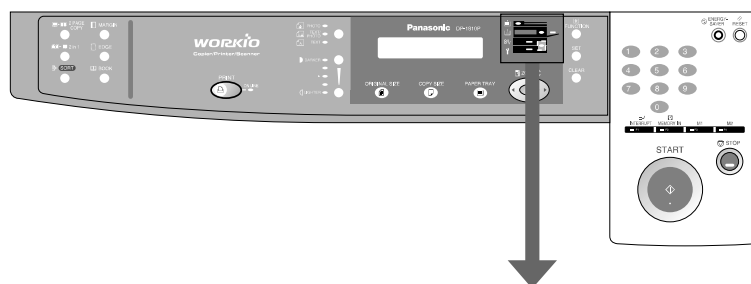
ATTENTION

- Do not reuse the toner from the Toner Waste Container.

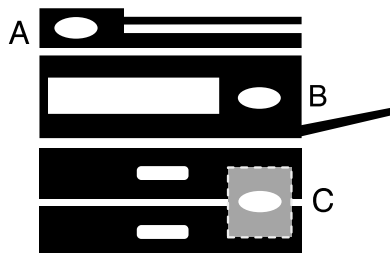
Removing a Misfed Paper

■ Paper Misfeed Indicators and Locations

When a paper misfeed occurs, the misfeed indicator and the misfeed location(s) will be displayed on the panel display.



 Misfeed Indicator



Paper Misfeed Locations

- A: ADF (see page 45)
(J70, J71)
- B: Copier (Paper Exit, Paper Entry/Transport area (see page 42)
(J51 - J59, J80)
- C: Paper Feed Module (see page 44)
(J00 - J50)

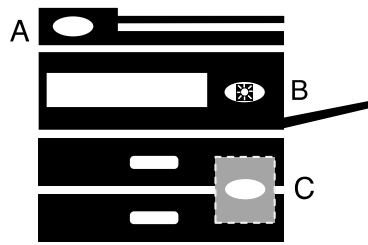
NOTE

- Make sure that the misfeed indicator goes off after removing the misfed paper.
- The misfeed indicator will not go off if the paper is still jammed in the copier. Check again and remove all misfed paper.



Problem Solving

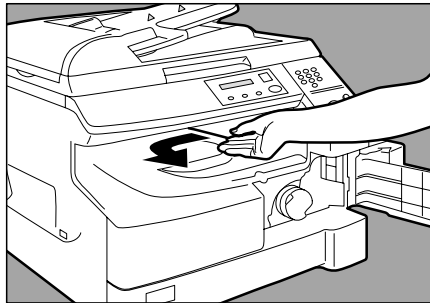
Removing a Misfed Paper



■ Paper Exit Area

- Make sure that the misfeed indicator goes off after removing all misfed paper.

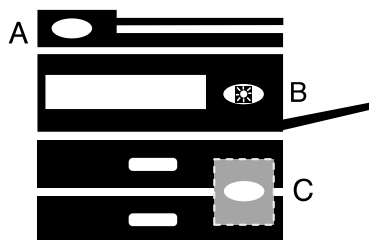
1



Remove the misfed paper.

ATTENTION

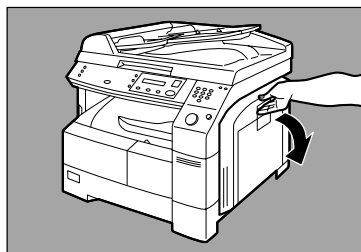
- Make sure that the misfeed indicator goes off after removing all misfed paper.



■ Paper Entry/Transport Area

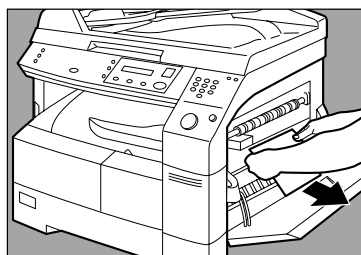
- Make sure that the misfeed indicator goes off after removing all misfed paper.

1



Open the right cover.

2



Remove the misfed paper.

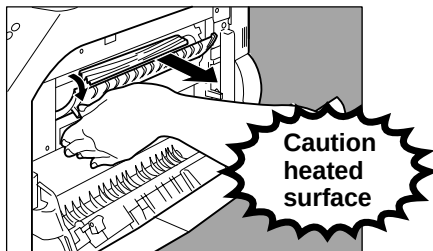
3



If copy paper is fed far into the copier;

- ① Turn the right paper clearing knob.
- ② Remove the misfed paper.

4



- ① Open the heat roller cover.
- ② Remove the misfed paper.
- ③ Close the right cover.

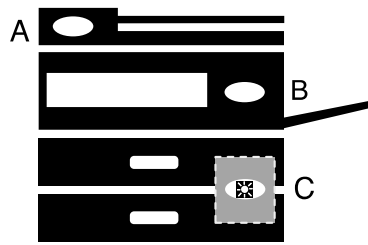
Caution: This fuser area may be hot.

ATTENTION

- Make sure that the misfeed indicator goes off after removing all misfed paper.

Problem Solving

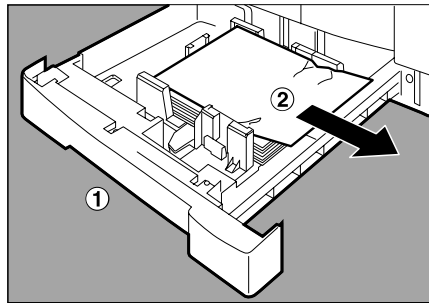
Removing a Misfed Paper



■ Paper Feed Module

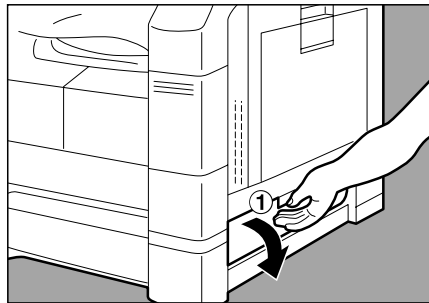
- Make sure that the misfeed indicator goes off after removing all misfed paper.

1

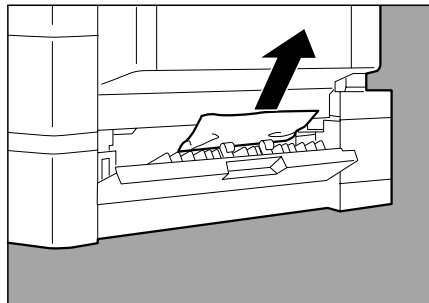


- ① Pull out the paper tray.
- ② Remove the misfed paper.
- ③ Return the paper tray to the original position.

2

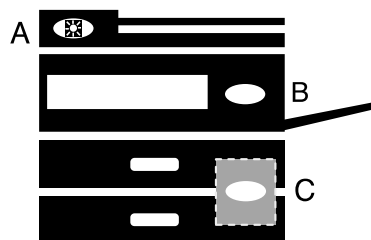


- ① Open the feed cover.
- ② Remove the misfed paper.
- ③ Close the feed cover.



ATTENTION

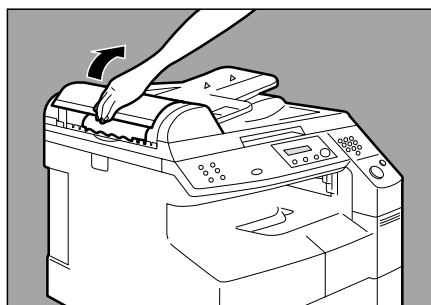
- Make sure that the misfeed indicator goes off after removing all misfed paper.



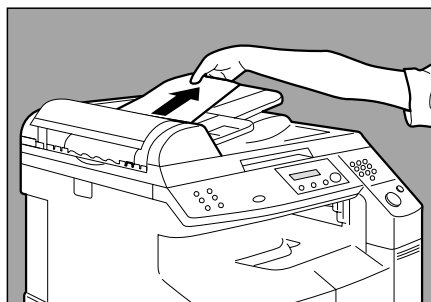
■ ADF

- Make sure that the misfeed indicator goes off after removing all misfed paper.

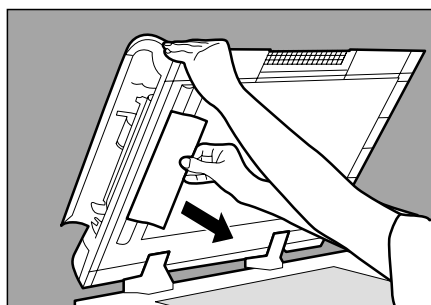
1



- ① Open the entry cover.
- ② Remove the misfed paper.
- ③ Close the entry cover.



2



- ① Open the ADF cover.
- Note:** To prevent damaging the originals, open the ADF cover before removing the misfed original(s).
- ② Remove the misfed paper.
 - ③ Close the ADF Cover.
 - ④ Close the ADF.

ATTENTION

- Push the tab  on the center of the ADF cover to close it.
- Make sure that the misfeed indicator goes off after removing all misfed paper.
- To prevent original(s) damage, please make sure ADF cover open before removing misfed original(s).

Troubleshooting

Before Calling Service

Check	Action
Unit Does Not Operate	
Does the display light? ↓ (No)	➡ Check if the Power Switch is turned On and if the power cord is connected to the outlet. (Yes)
Does the Energy Saver key flash (or light) and displays are turned OFF? (See page 20) ↓ (No)	➡ Press Energy Saver key on the control panel. (Yes)
Does any of the U## codes and messages appear on the display? (U01, U07, U13, U14, U16, U20 and U21) (See page 48) ↓ (No)	➡ Perform actions in accordance with each message. (Yes)
Does the add paper indicator and message appear on the display? (⏏)* ↓ (No)	➡ Add paper. (See page 38) (Yes)
Does the paper misfeed indicator and message appear on the display? (8V) ↓ (No)	➡ Remove the misfed paper. (See page 41) (Yes)
Does E#-## indicator and message appear on the display?	➡ Turn the copier Off, then On. If the error code does not clear, call for service. (Yes)

When the Add Toner Warning Indicator begins to flash* or is lit, replace the toner bottle with a new one. After this warning is activated, machine operation will begin with the Toner Charging Mode (approximately 3 minutes to complete) each time the power switch is turned Off then On or if the Front/Right Cover is opened and then closed.

Note: *When the warning indicator starts flashing, a 300-sheet count-down counter is activated, and upon reaching 0 the machine will stop operating. The 300-sheet counter is based on 6% fill, depending on the density some pages may print Blank.

Machine operation and displays are as follows:

1. When turning the power switch to On or opening and then closing the Front/Right Cover, the machine starts to warm-up and the LCD displays:

PLEASE WAIT . . .

- The Toner Charging Mode starts and the LCD displays:

CHARGING TONER

Add Toner Warning Indicator:

- Flashing = Toner Bottle is nearly empty
- Lit = Toner Bottle is empty

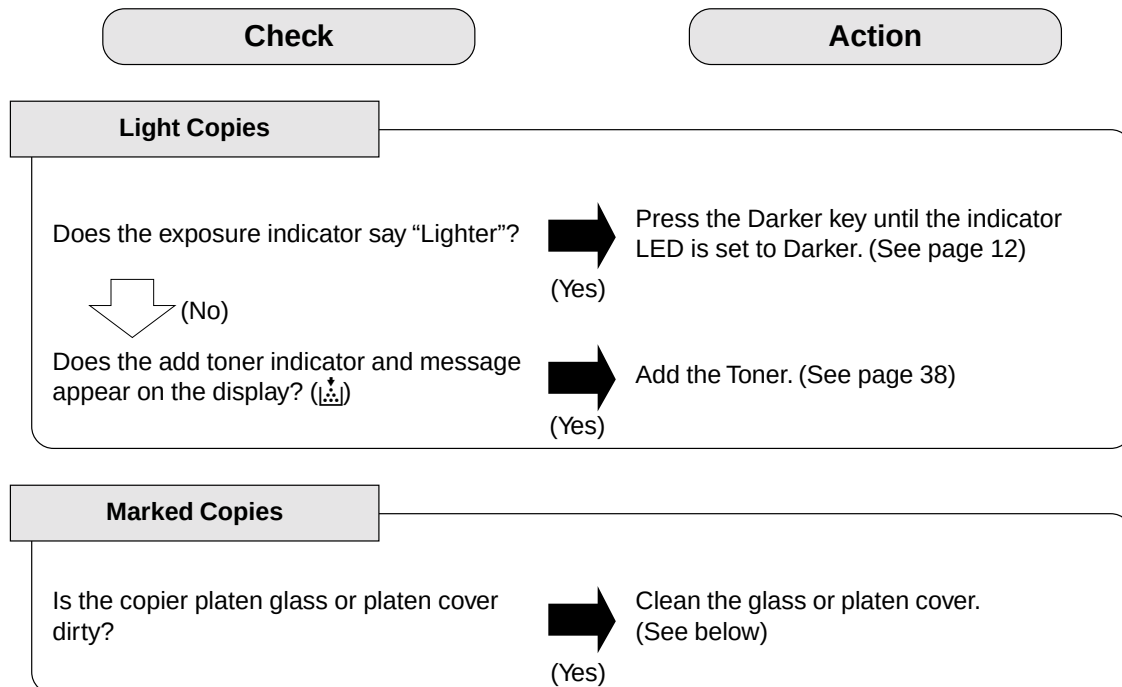
- This message is displayed for approximately 200 seconds.

CHARGING TONER

.....

* ● Each "." is approximately 10 sec.

- This message will continue to be displayed until the warm-up cycle is completed, and if the toner bottle was replaced, upon completion, the Add Toner Warning Indicator automatically turns Off.



Troubleshooting

User Error Codes (U Code)

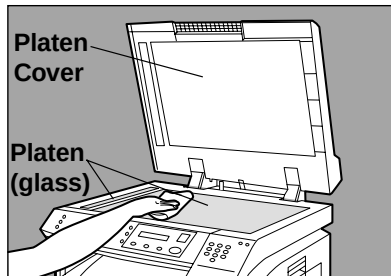
The self-diagnostic functions detect troubles in the important components of the copier. When any trouble occurs, the copier stops.

Code	Display Message	Check Points
U01	CLOSE FRONT/RT COVER	Front Cover is open.
U07	CLOSE FEED COVER	Feed Cover is open.
U13	ADD TONER NO WASTE TONER BOX	1. Toner Cartridge is incorrectly installed. 2. Low Toner.
U14	WASTE TONER BOX IS FULL	1. Toner Waste Container is incorrectly installed. 2. Toner Waste Container is full of toner.
U16	NO WASTE TONER BOX	No Toner Waste Container.
U20	CLOSE ADF COVER	ADF Cover is open.
U21	CLOSE PLATEN COVER	While the copier is initializing, the ADF Cover was opened. (Optional ADF installed)

■ If the measures outlined above do not solve the problem, call your Service provider.

Copier Care

■ As a rule, clean weekly.



Platen/Platen Cover

- ① Wipe marks off with a cloth and a neutral detergent.
- ② Wipe again with a dry cloth.

Specifications

■ DP-1810P (Copier)

Type:	Desktop
Platen Type:	Fixed
Acceptable Originals:	Sheets, Books (max. Ledger)
Copying Method:	Laser Electrophotography
Fixing Method:	Heat Roller Fixing
Imaging Method:	Dry-Type Single component imaging
Resolution:	Max. 600 dpi
Maximum Copy Size:	Ledger
Void Area:	Max. 0.2 in (5 mm)
Warm Up Time:	Approx. 30 seconds (68°F/20°C)
First Copy Time:	Approx. 6.5 seconds (Letter ☐ , from 1st tray)
Multi-Copy Speed:	18 Letter size copies per minute
Enlargement Ratios:	Preset: 121%, 129%, 155%, 200% Variable: from 101% to 200% in 1% increments
Reduction Ratios:	Preset: 79%, 77%, 65%, 61%, 50% Variable: from 99% to 50% in 1% increments
Paper Feed:	Paper tray (550 sheets × 1) + Sheet bypass (50 sheets) 2nd Paper feed module (550 sheets - option)
Paper Weight:	Paper Tray: 16 - 24 lb (60 - 90 g/m ²) [Sheet Bypass: 15 - 34 lb (56 - 128 g/m ²)]
Quantity Selector:	Max. 999 sheets (output tray capacity is 250 sheets)
Electrical Requirements:	AC 120V, 50/60Hz, 9A
Energy Consumption:	Max. 1.2 kW, 1.5 Wh in Sleep Mode
Dimensions (W × D × H):	23.1 × 23.8 × 18.0 in (588 × 605 × 458 mm)
Weight:	90 lb (41 kg)
Operating Environment:	Temperature: 50°F (10°C) - 95°F (35°C) Relative Humidity: 45% - 85% (However, the humidity should be 70% or less at a temperature of 95°F (35°C), and the temperature should be 86°F (30°C) or less at a humidity level of 85%.)

- Specifications are subject to change without notice.

Specifications

■ ADF (DA-AS180)

	DA-AS180
Tray Capacity:	Letter, Invoice: 50 sheets (20 lb) Ledger, Legal: 30 sheets (20 lb)
Paper Size:	Invoice/Letter/Legal/Ledger
Paper Weight:	14 – 28 lb (50 – 110 g/m ²)
Electrical Requirements:	Supplied from the copier
Dimensions (W × D × H):	21.7 × 20.5 × 5.3 in (552 × 520 × 135 mm)
Weight:	18.3 lb (8.3 kg)

■ 2nd Paper Feed Module (DA-DS182)

	DA-DS182
Paper Size:	Invoice/Letter/Legal/Ledger
Paper Weight:	16 – 24 lb (60 – 90 g/m ²)
Electrical Requirements:	Supplied from the copier
Dimensions (W × D × H):	21.7 × 6.1 × 23.0 in (550 × 155 × 585 mm)
Weight:	20.9 lb (9.5 kg)

- Specifications are subject to change without notice.

Options and Supplies

■ The DP-1810P is a digital photocopier which can produce images with great clarity. Furthermore, its copying functionality can also be greatly enhanced by the addition of the following options and supplies. We hope you find that the wide ranging capabilities will make your office-place more productive and efficient.

■ Options

Part Name	Part No.	Remarks
Automatic Document Feeder	DA-AS180	Also referred as ADF
2nd Paper Feed Module	DA-DS182	
Image Memory (16 MB)	DA-SM16B	For Electronic Sorting
Image Memory (128 MB)	DA-SM28B	For Electronic Sorting

■ For Printer

Part Name	Part No.	Remarks
PCL6 Emulation Kit	DA-PC210	Printer Controller for PCL6*
10/100 Ethernet Interface/ Internet Fax Kit	DA-NE200	Network Interface Board

■ Supplies

Part Name	Part No.	Remarks
Toner Bottle	DQ-TU10C	

NOTE

* PCL6 is a Page Description Language of the Hewlett-Packard Company.

memo

memo

U.S.A. Only

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For Service, Call: _____

Panasonic Document Imaging Company
A Business Unit of Matsushita Electric Corporation of America
Two Panasonic Way
Secaucus, New Jersey 07094

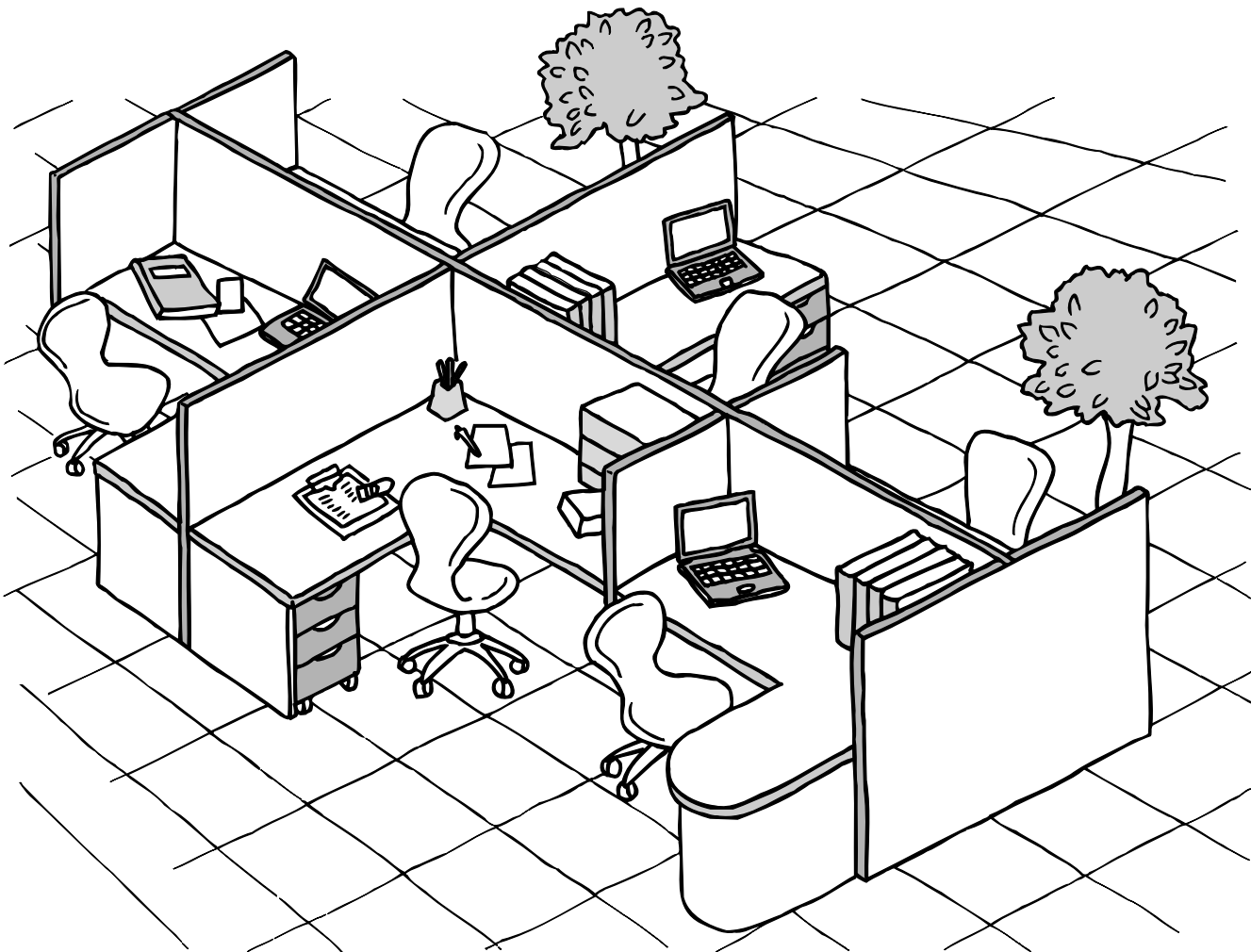
Panasonic Canada Inc.
5770 Ambler Drive,
Mississauga, Ontario L4W 2T3

S0102-0
DZSD001627-0
January 2002
Printed in Japan

Panasonic®

Software Operating Instructions (For Panasonic Printing System Ver. 6)

Model No. DP-1810/2000/2010/2500/3000



Before Use

Printer Section

Troubleshooting

Before operating this software, please read these instructions completely and keep these operating instructions for future reference.

English

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The contents of these Operating Instructions are subject to change without notice.

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Precautions

For User in USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Relocate fax machine with respect to receiver or other equipment.
3. Connect fax machine into outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Warning: To assure continued compliance, use only shielded interface cable when connecting the facsimile machine parallel interface port to host computer. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Matsushita Electric Corporation of America
One Panasonic Way, Secaucus, NJ 07094

Technical Support: Panasonic Document Imaging Company/Technical Support Department
Two Panasonic Way, Secaucus, NJ 07094
1-800-225-5329
Email: consumerproducts@panasonic.com

- You need to read the software license agreement before setting up the Printer Driver.
- You need to read the following precautions which is described in the Machine's Operating Instructions.
 1. Installation
 2. Ventilation
 3. Handling
 4. Toner and Paper
 5. For your safety

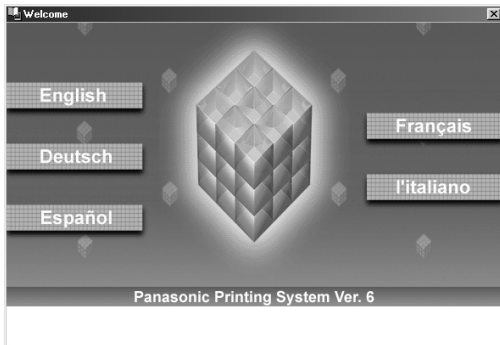
Installing the Printer Driver

Windows 95/98/Me/NT/2000/XP

1

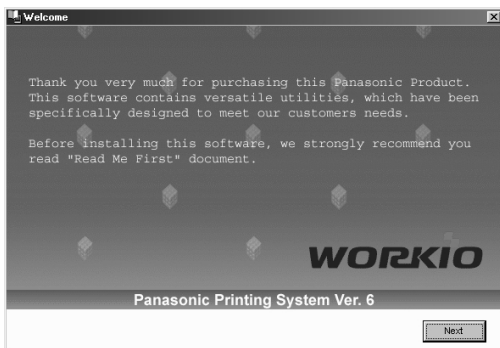
Insert the Panasonic Printing System Ver. 6 CD-ROM.

2



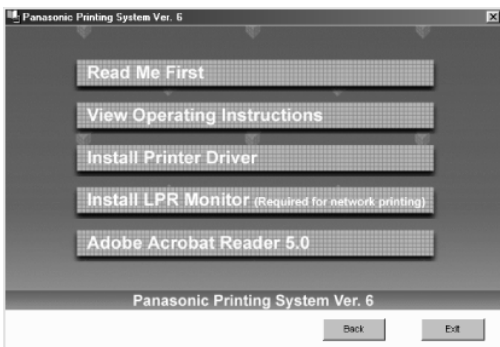
Click on the desired language.

3



Click on the **Next** button.

4



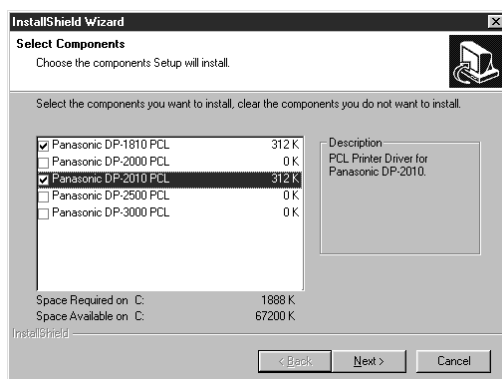
Click **Install Printer Driver**.

Continued on the next page...

Installing the Printer Driver

Windows 95/98/Me/NT/2000/XP

5

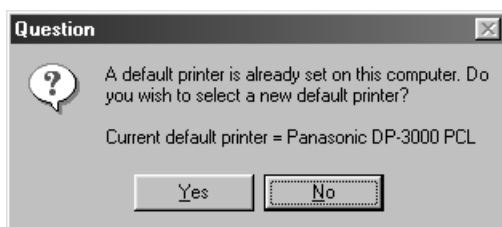


Select your machine's model(s) and click the

Next

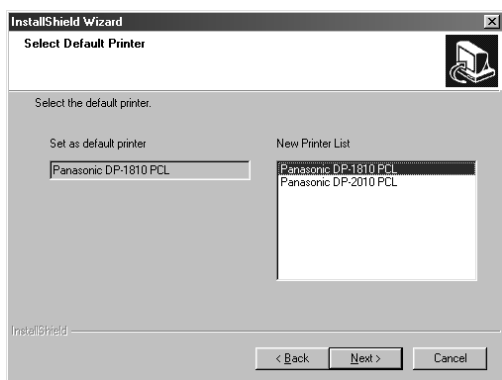
button.

6



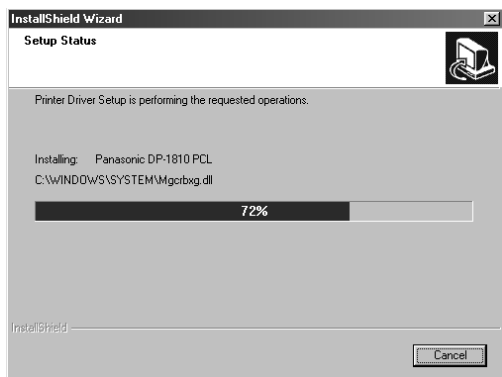
Click the Yes button if you would like to change your current default printer to the one that you are installing.

7



Select your new default printer from the New Printer List and click the Next button.

8



The required files are copied.

Installing the Printer Driver

Windows 95/98/Me/NT/2000/XP

9



When the setup process is completed, a message is displayed prompting you to restart your computer.

Click the **Finish** button to restart your computer.

The Panasonic/Panafax Printer Driver is installed, and the Panasonic/Panafax Printer icon(s) are added to the Printer folder.

If you are installing the Printer Driver for network printing, please contact your network administrator for the IP Address of the machine and proceed to the next section to install the LPR Monitor service after your computer has rebooted.

NOTE

1. When installing on Windows NT 4.0 and Windows 2000/XP, log onto the computer/network with an account rights of Administrator.

Installing the LPR (Line Printer Remote) Monitor

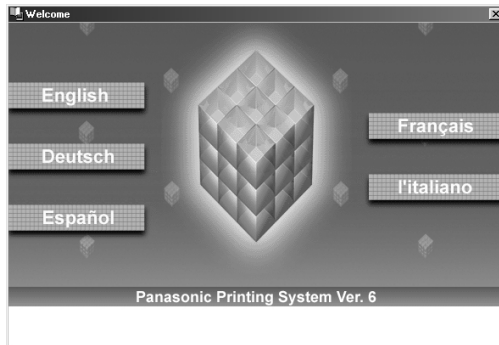
Windows 95/98/Me

1

Insert the provided CD-ROM.

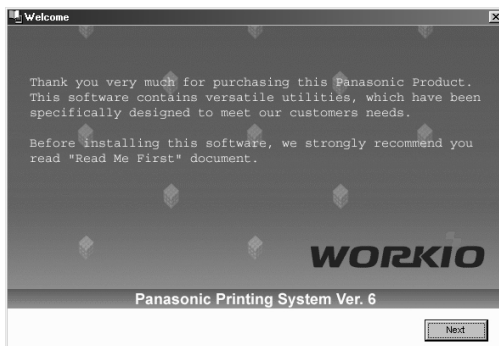
2

Click on the desired language.



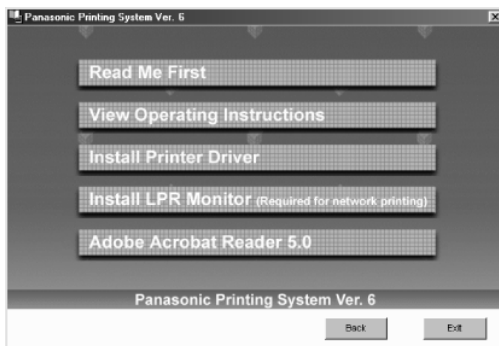
3

Click on the **Next** button.



4

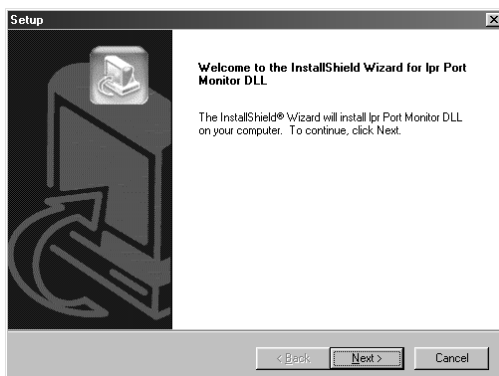
Click **Install LPR Monitor**.



5

The **Setup** dialog box appears.

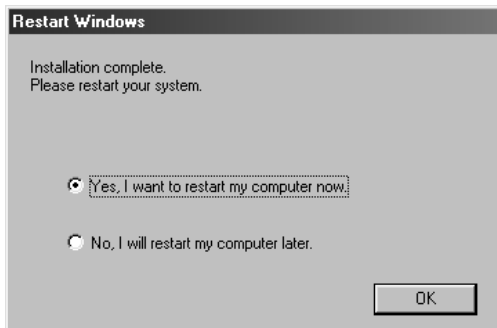
Click on the **Next** button.



Installing the LPR (Line Printer Remote) Monitor

Windows 95/98/Me

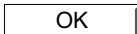
6



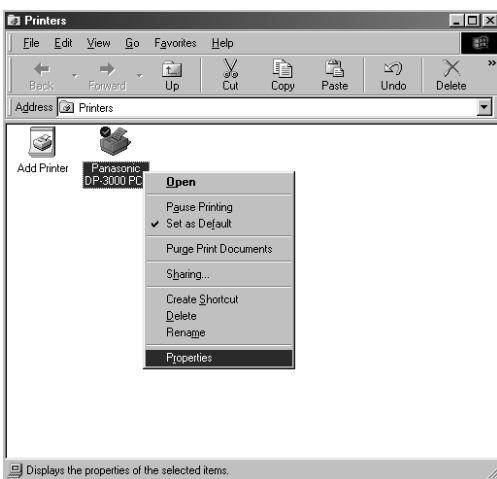
The setup program copies the necessary files onto your Hard Disk.

When the setup process is completed, a message is displayed prompting you to restart your computer.

It is recommended that you restart your computer now so that the LPR Monitor is started.

Click on the  button.

7



After your computer is rebooted, click the **Start** button, point to **Settings**, and then click **Printers**.

The **Printers** folder appears.

Right-click on your desired printer (Ex. Panasonic DP-3000 PCL) and select **Properties** from the pop-up menu.

8



The printer properties dialog box appears.

The following step is to Register the LPR Port for network printing.

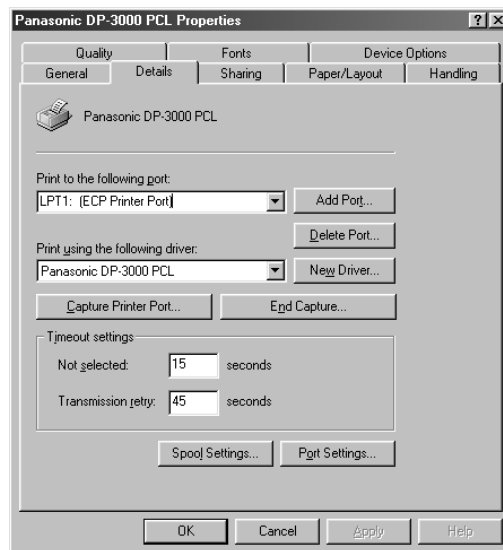
Before proceeding, ensure that the Printer is installed, connected to the Network, is turned ON and operating properly.

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

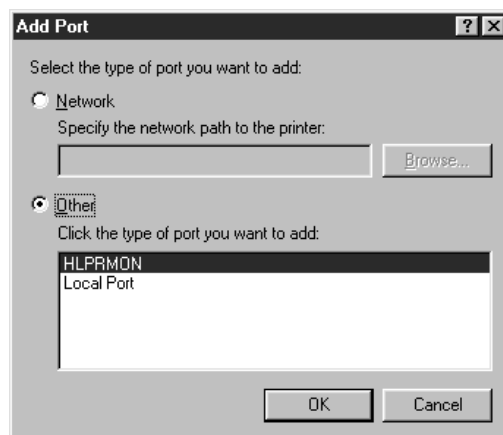
Windows 95/98/Me

9



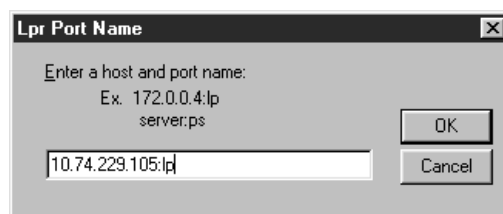
Select the **Details** tab and click on the **Add Port...** button.

10



The **Add Port** dialog box appears. Click the **Other** radio button, and select **HLPRMON** from "Click the type of port you want to add:" and click on the **OK** button.

11



The **LPR Port Name** dialog box appears.

Type the IP Address of the machine and "lp" as the queue name separated by a ":"

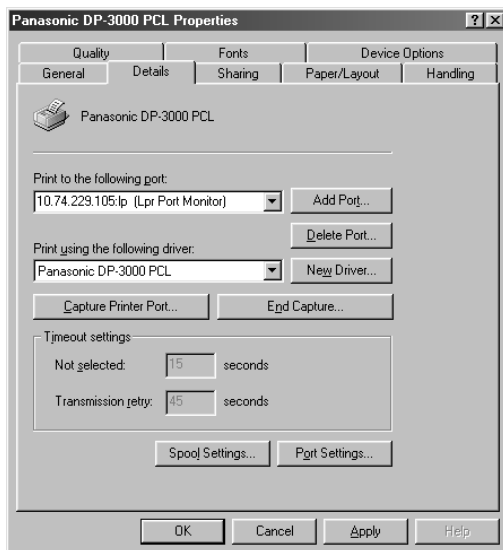
Ex: 10.74.229.105:lp

Click on the **OK** button. If an error occurs because the queue name was already used for the same IP Address, select a different unique name such as "lpr".

Installing the LPR (Line Printer Remote) Monitor

Windows 95/98/Me

12



The screen reverts to the Printer's Properties.

Check that the "Print to the following port:" was changed as entered, and click on the **Apply** button first and then on the **OK** button.

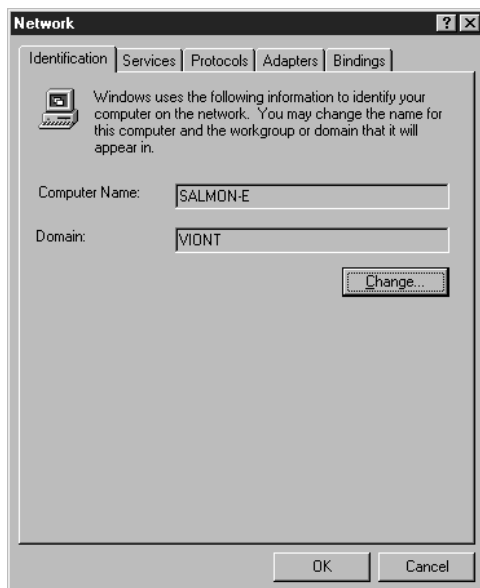
The printer properties dialog box is closed and you have now configured the printer as a network printer.

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

Log in using an account with the administrator's right.

1



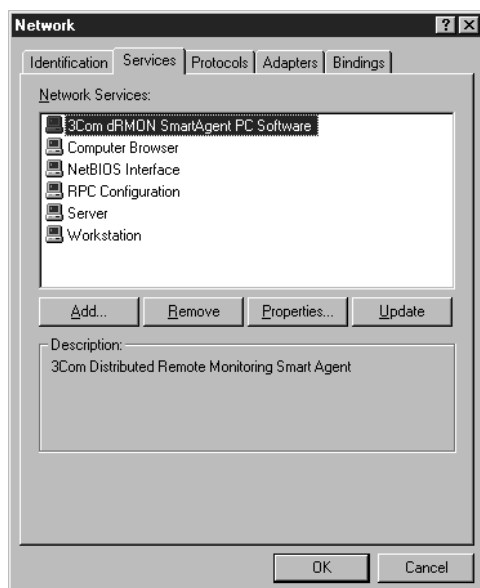
Click on the **Start** button, point to **Settings**, and click **Control Panel**.

The **Control Panel** window appears.

Double-click on the **Network** applet.

The **Network** dialog box appears.

2



Click on the **Services** tab.

Verify whether the LPR Service is already installed.
(Indicated by Microsoft TCP/IP Printing shown in the Network Services list.)

If it is already installed, skip over to Step 7. Otherwise continue installing the LPR Service.

3



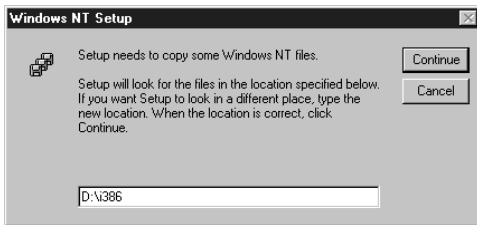
Click on the **Add...** button to display the **Select Network Service** dialog box, then select **Microsoft TCP/IP Printing**.

Click on the **OK** button.

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

4

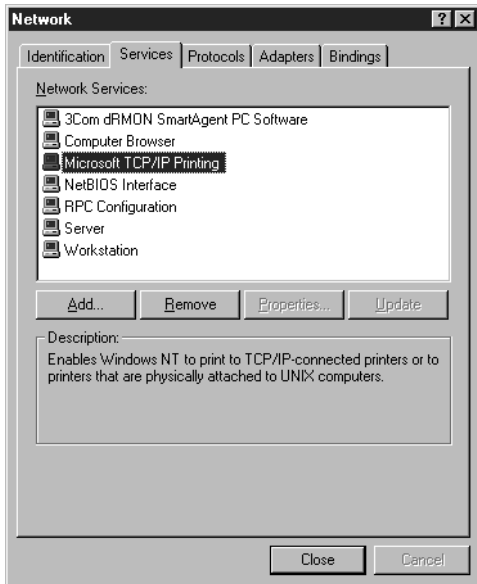


The **Windows NT Setup** dialog box appears.

Insert the Windows NT 4.0 CD-ROM, and type **D:\i386** (where "D:" is your CD-ROM drive).

Click on the **Continue** button.

5

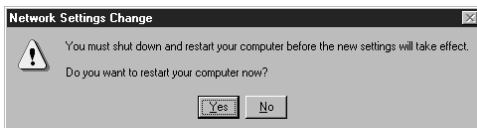


After the files are copied into your Hard Drive, the display returns to the Network dialog box. Confirm that the Microsoft TCP/IP Printing service was added to Network Services list.

Click on the **Close** button.

Note: *Delete and Reinstall the Microsoft TCP/IP Printing if an error occurs, and the Microsoft TCP/IP Printing is displayed in the Network Services list, but, the OK button does not change into a Close button.*

6

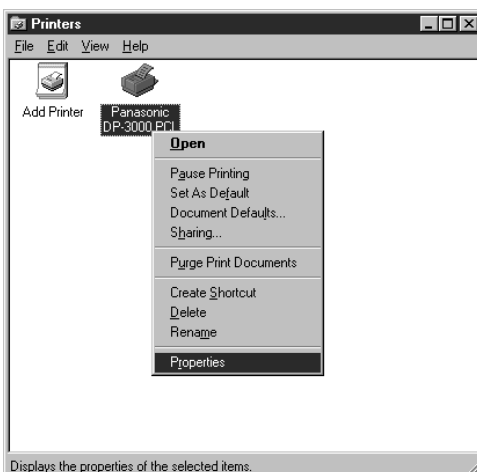


The **Network Settings Change** dialog box is displayed, click on the **Yes** button to confirm whether to restart your computer now.

You have now completed the LPR Service installation.

After your computer is rebooted, click the **Start** button, point to **Settings**, and then click **Printers**.

7



The **Printers** folder appears.

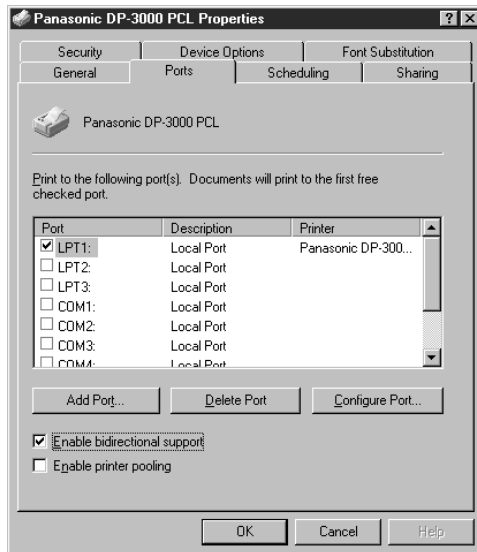
Right-click on your desired printer (Ex. Panasonic DP-3000 PCL) and select **Properties** from the pop-up menu.

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

8



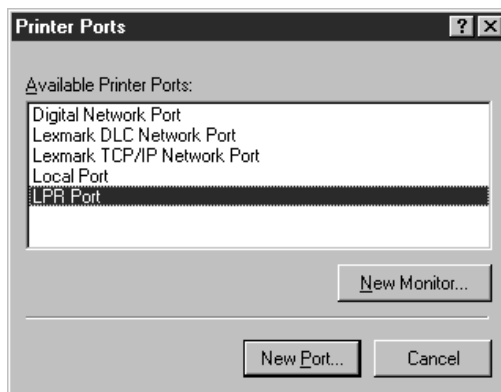
The following step is to Register the LPR Port for network printing.

Before proceeding, ensure that the Printer is installed, connected to the Network, is turned ON and operating properly.

Select the **Ports** Tab and click on the

Add Port... button.

9



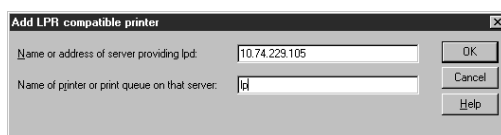
The **Printer Ports** dialog box appears.

Select **LPR Port** and click the

New Port

button.

10



The **Add LPR compatible printer** dialog box appears.

Enter the IP Address of the Printer in the upper field, and "lp" for the print queue name in the lower field.

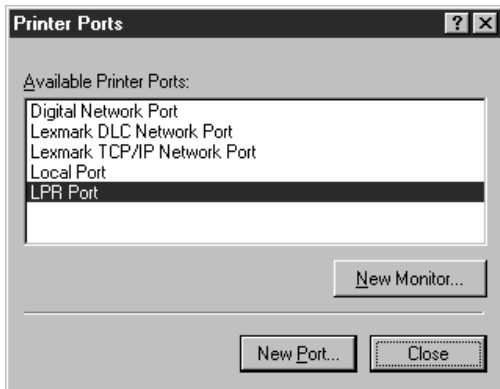
Click on the **OK** button.

(Please wait while the wizard verifies the IP Address and connectivity to the Network)

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

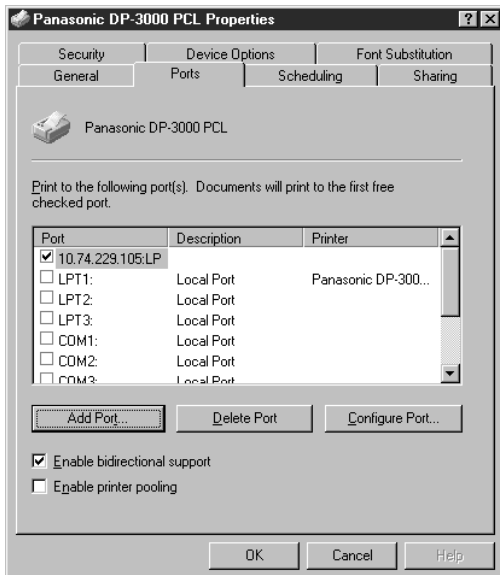
11



The **Printer Ports** dialog box appears.

Click on the **Close** button.

12



Select the printer port and click the **OK** button.

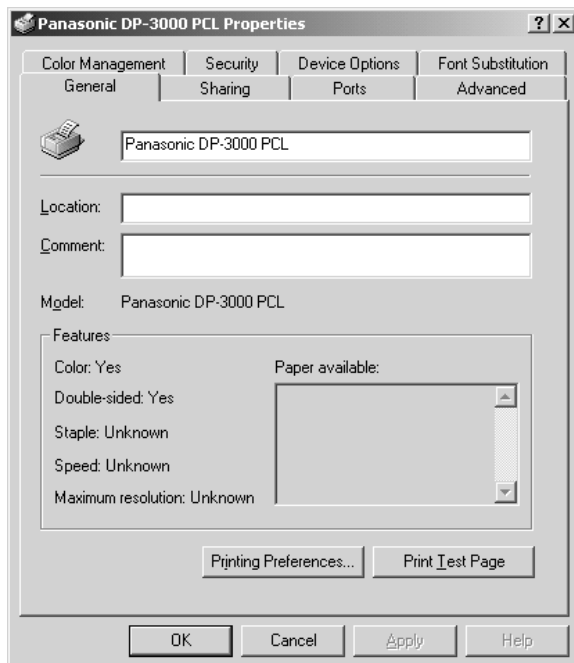
The printer properties dialog box is closed and you have now configured the printer as a network printer.

Installing the LPR (Line Printer Remote) Monitor

Windows 2000/XP

Log in using an account with the administrator's right.

1

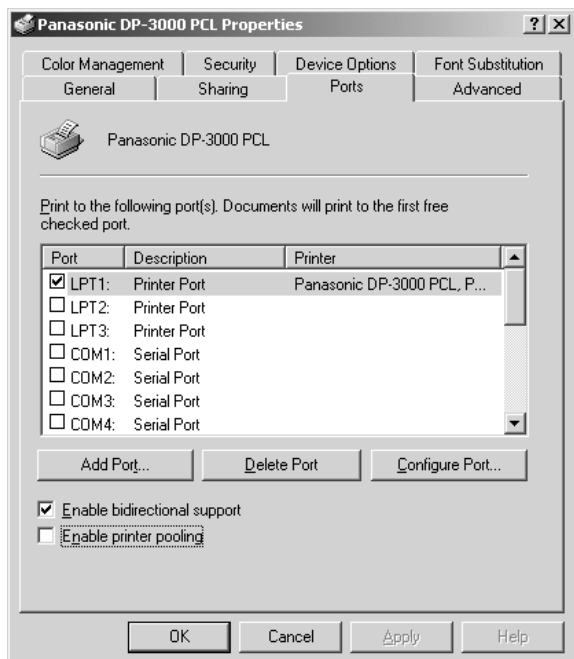


Open the **Printers** folder.

Right-click on your desired printer (Ex. Panasonic DP-3000 PCL) and select **Properties** from the pop-up menu.

The printer properties dialog box appears.

2



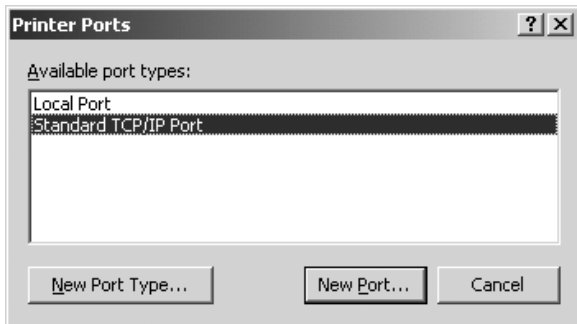
Select the **Ports** Tab and click on the

Add Port... button.

Installing the LPR (Line Printer Remote) Monitor

Windows 2000/XP

3



Select **Standard TCP/IP Port** and click the

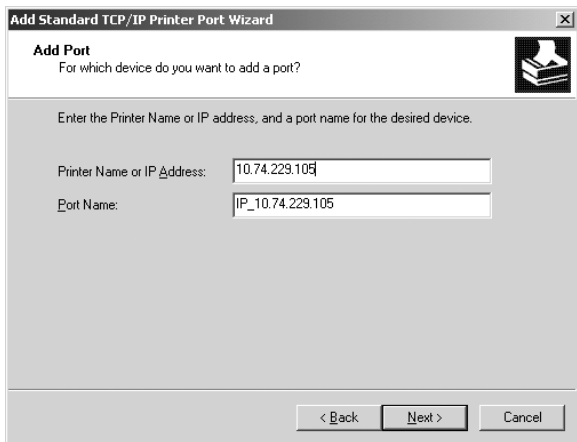
New Port ... button.

4



Click on the **Next** button.

5



Enter the IP Address and the Port Name and click the **Next** button.

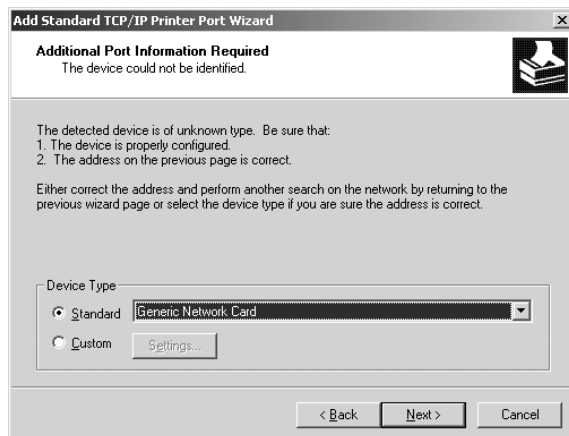
Note: *The Port Name is automatically entered by Windows 2000/XP. You may change this as required.*

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

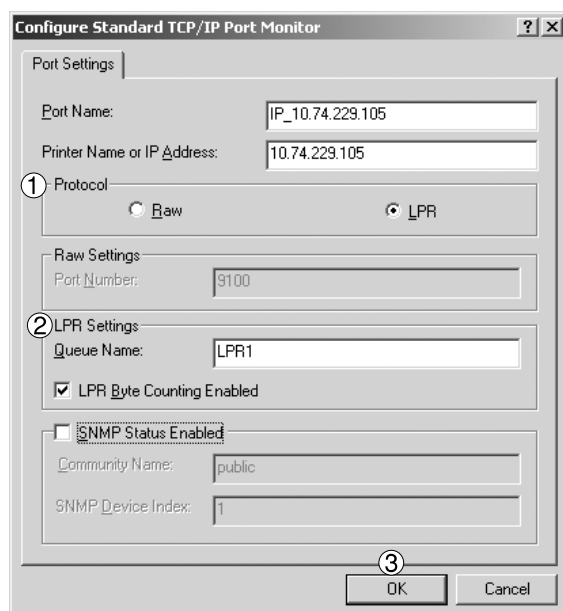
Windows 2000/XP

6



Select **Custom** and click the **Settings...** button.

7



1. Under the Protocol, select **LPR**.
2. Under the LPR Settings, enter the **Queue Name** (Ex. LPR1) and check the **LPR Byte Counting Enabled**.
3. Click on the **OK** button.

8

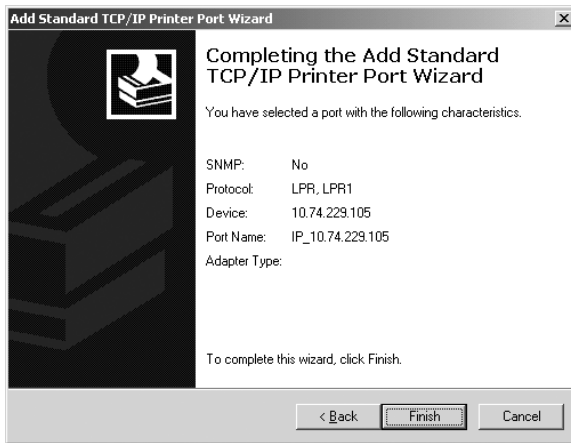


Click on the **Next** button.

Installing the LPR (Line Printer Remote) Monitor

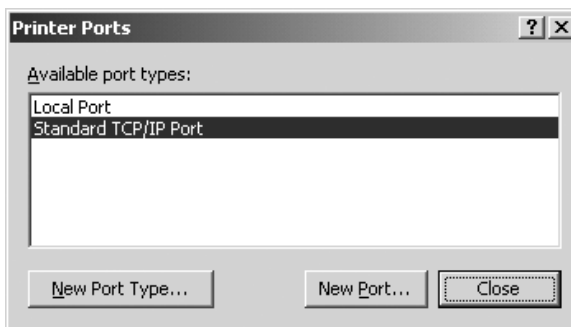
Windows 2000/XP

9



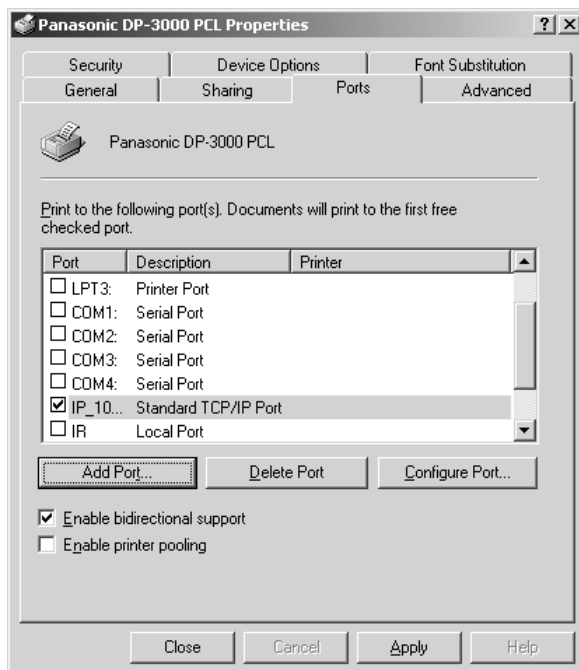
Click on the **Finish** button.

10



Click on the **Close** button.

11



Click on the **Apply** button.

Click on the **OK** button.

The printer properties dialog box is closed and you have now configured the printer as a network printer.

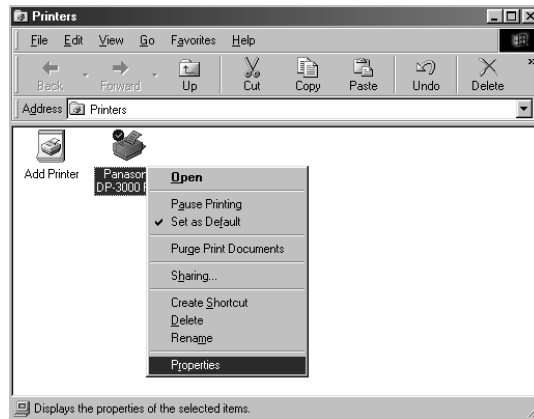
Configuring the Printer Driver Settings

Windows 95/98/Me

To change the printer settings, open the dialog box for the printer properties by the following steps.

- 1** Click the **Start** button, point to **Settings**, and then click **Printers**.
- 2** Right-click on the desired printer icon in the printers folder, and select **Properties** in the dropdown menu.

The printer properties dialog box appears.



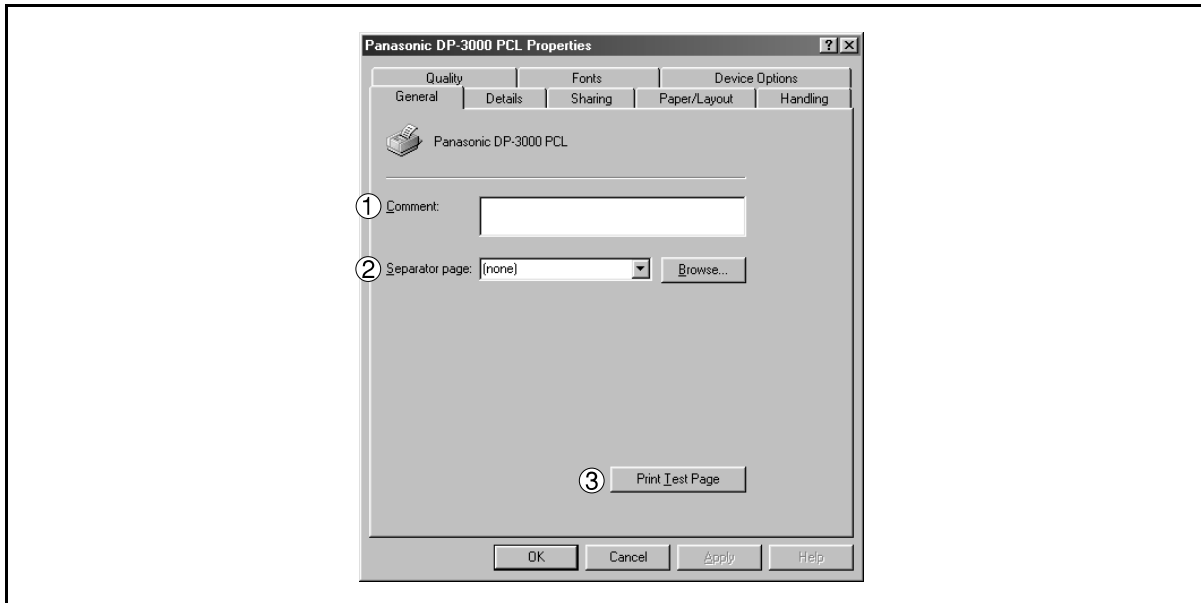
NOTE

1. Upon printing, changing the properties of **Paper/Layout**, **Handling**, **Quality** and **Device Options** is allowed by clicking **Properties** in the print dialog box of an application.
2. **Sharing** Tab in property dialog box is not displayed unless printer sharing has been specified.

Configuring the Printer Driver Settings

Windows 95/98/Me

General Tab



1. Comment

Enter comments to the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an already set-up user will remain unchanged even if the comment is modified later.

2. Separator page

This feature is not available on your machine.

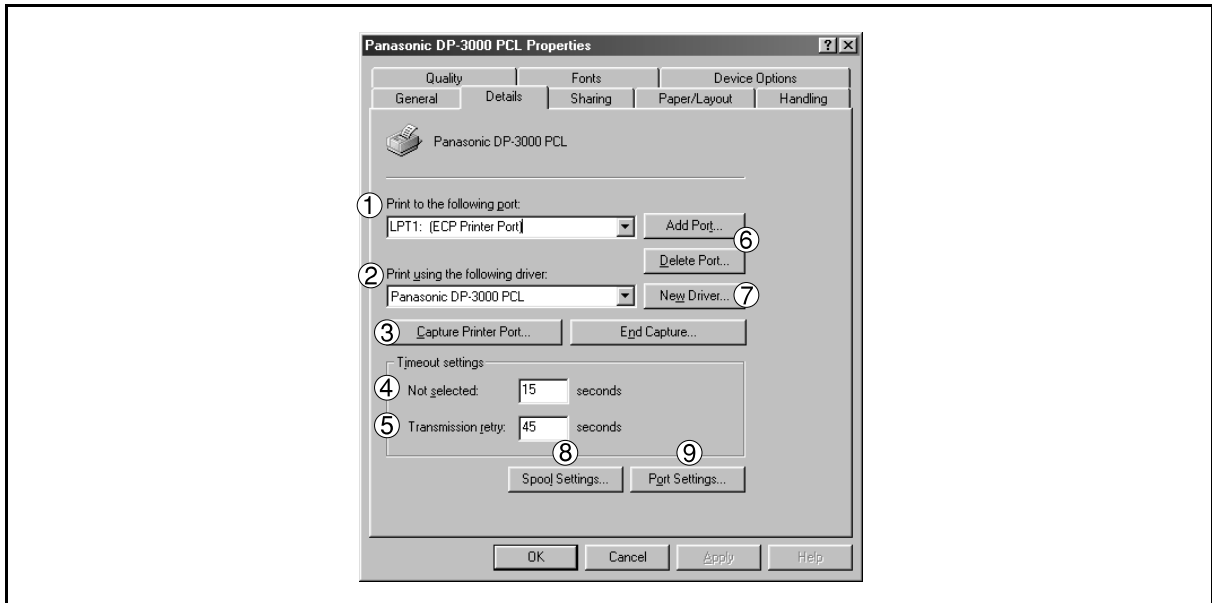
3. Print Test Page button

Prints a test page. This allows the user to verify if the printer is installed properly.

Configuring the Printer Driver Settings

Windows 95/98/Me

Details Tab



1. Print to the following port

Displays either the port to which the printer is connected or the path to the network printer.

To change the printing destination, either select the printing destination port from the list or enter the network path here.

2. Print using the following driver

Displays the type of the printer driver. Specify the printer being used or a printer model which can be emulated with the printer being used.

3. / button

Assigns a port to the network drive or cancels a port assigned to the network drive.

4. Timeout settings - Not selected

Specify the amount of time (in seconds) allowed to elapse before the printer becomes online. If the printer is not online within this duration, an error message will be displayed.

5. Timeout settings - Transmission retry

Specify the amount of time (in seconds) allowed to elapse before the printer is ready for printing. If the printer is not ready for printing within this duration, an error message will be displayed.

Increase this value if a timeout error occurs when printing a large document.

6. / button

Adds/deletes a new port or a new network path.

7. button

Updates or modifies the printer driver.

Configuring the Printer Driver Settings

Windows 95/98/Me

8. button

Specify the method of sending (spool) documents from the program to the printer.

• **Spool Data Type**

Select spool data type (EMF format or RAW format). Specifying RAW format results in longer time before placing an application operational after printing on the application.

Note: Spooling by EMF format (metafile compression) may cause the following problems on some application software.

- 1) Printing result is different from the screen display.
- 2) Printing requires excessive time.

• **Enable bidirectional support**

Be sure to check the check box for "Enable bidirectional support" when installing the status monitor. Otherwise, printing may not function properly.

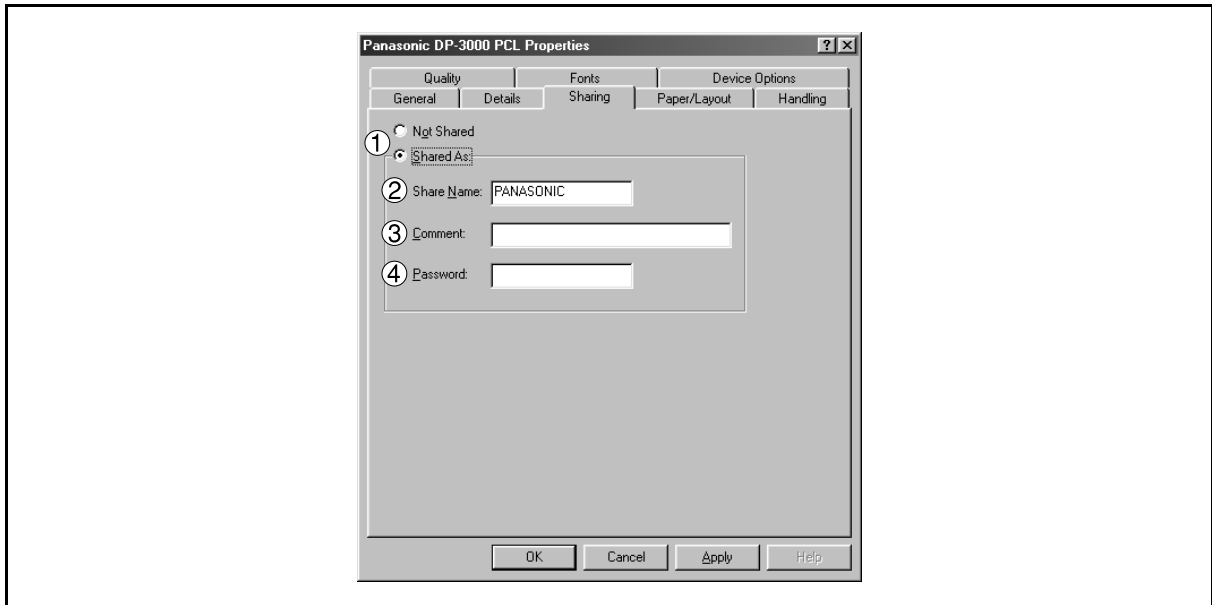
9. button

Modifies printer port settings.

Configuring the Printer Driver Settings

Windows 95/98/Me

Sharing Tab



1. Not Shared/Shared As

Select whether to display or use this printer with other computers.

2. Share Name

Specify the name of the shared printer. The displayed name can be used as it is or a new name may be entered. The name specified at this time will be displayed when other users view information about the printer on the network.

3. Comment

You can enter comment regarding a shared printer (such as the type of printer and the location where it is installed). When other users view information about the printer on the network, the comment specified here will be displayed.

4. Password

Specify a password when other users will connect to this printer.
Leave the box blank in order not to use any password.

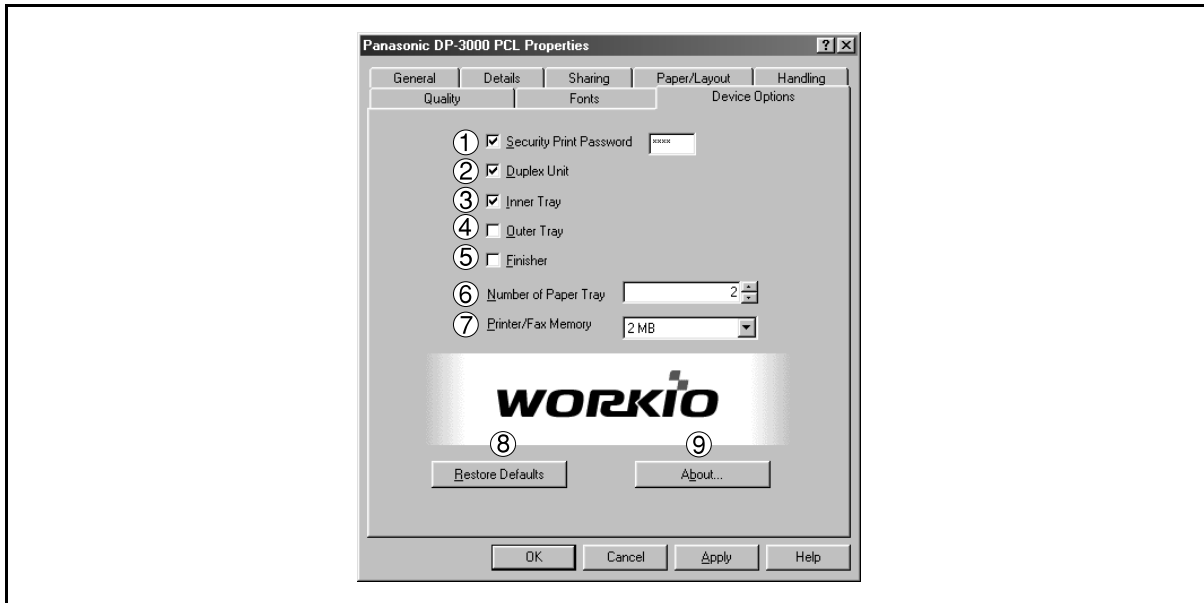
NOTE

1. **Sharing** Tab in property dialog box is not displayed unless printer sharing has been specified.

Configuring the Printer Driver Settings

Windows 95/98/Me

Device Options Tab



1. **Security Print Password (For DP-1810F/2000/2500/3000)**
Set the password for Security Print, to enable the feature.
2. **Duplex Unit (For DP-2000/2500)**
Check this checkbox if the Automatic Duplex Unit (DA-MD200) is installed.
3. **Inner Tray (For DP-2000/2500/3000)**
Check this checkbox if the Exit Tray (Inner) and the Dual-Path Exit Guide Unit (DA-XN200/FK200) are installed.
Specifying inner bins, Inner 1 and Inner 2, is allowed for printing on the printer.
4. **Outer Tray (For DP-2000/2500/3000)**
Check this checkbox if the Outer Tray (DA-XT200) is installed.
Setting of this option is allowed when the Inner Tray option is enabled.
5. **Finisher (For DP-2000/2500/3000)**
Check this checkbox if the 1-Bin Finisher (DA-FS200) is installed.
Setting of this option is allowed when the Inner Tray option is enabled. The staple function also is selectable when this option is enabled.
6. **Number of Paper Tray**
Select the number of available paper trays for the printer if an optional Paper Feed Module is installed.
7. **Printer/Fax Memory (For DP-1810F/2000/2500/3000)**
Select the size of the Expansion Flash Memory Card or whether a Fax Option (2MB) has been installed, to enable Security Print.
8. **Restore Defaults button**
Return all items in the **Device Options** Tab to standard settings (default).
9. **About... button**
Displays the version information about the printer driver.

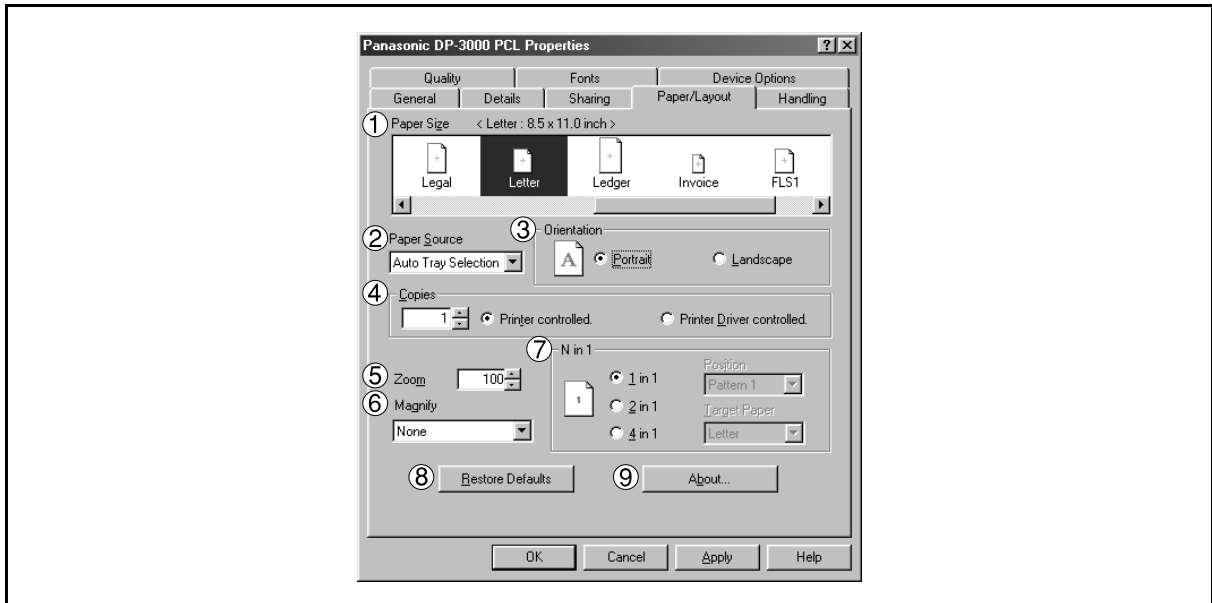
NOTE

1. **Device Options** Tab specifies device-specific settings and settings of optional devices.

Configuring the Printer Driver Settings

Windows 95/98/Me

Paper/Layout Tab



1. Paper Size

Select a document size.

2. Paper Source

Specify where the paper you want to use is located in the machine. If you choose **Auto Selection**, the printer driver will automatically select an appropriate tray according to the Paper Size.

3. Orientation

Select the print orientation (Portrait/Landscape).

4. Copies (1-999)

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

DP-1810P/1810F/2010E/3000 Driver only

• Printer controlled

The printer controls numbers of copies.
(Prints faster utilizing the Sort Memory of printer.)

Note: If the Collation can be specified on the application's Print dialog box, make sure it is unchecked in order for this setting to function properly.

• Printer driver controlled

The printer driver controls number of copies.
(Prints slower not utilizing the Sort Memory of printer.)

5. Zoom (25-400%)

Specify an enlargement or reduction percentage when printing documents. If enlargement/reduction can be set within the application, indicate 100% here and specify the enlargement/reduction percentage in the Print dialog box of the application.

Configuring the Printer Driver Settings

Windows 95/98/Me

6. Magnify

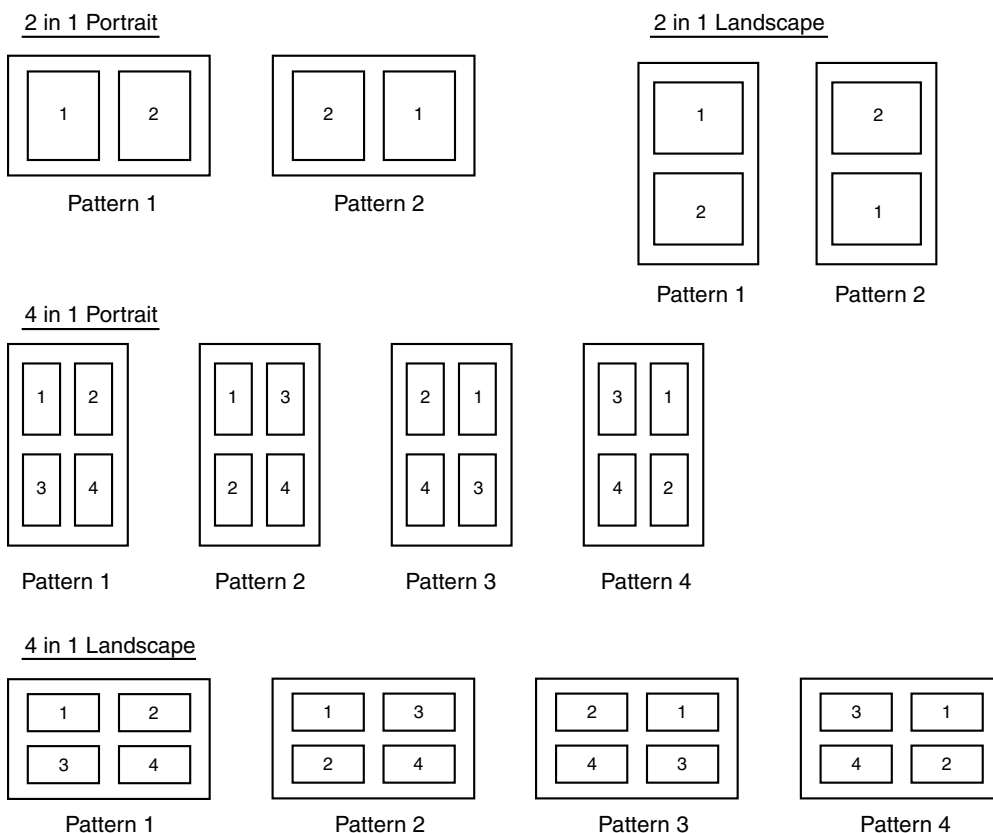
Select a fixed enlargement/reduction ratio according to the paper size. Specifying the magnification ratio changes the Zoom to display the actual enlargement/reduction percentage.

7. N in 1

Specify the layout pattern for printing multiple documents on a single sheet of paper.

Selecting 2 in 1 or 4 in 1 changes the Zoom to display the actual enlargement/reduction percentage.

Note: 2 in 1 or 4 in 1 allows the user to select the following layouts under the Position field:



8. button

Return all items in **Paper/Layout** Tab to standard settings (default).

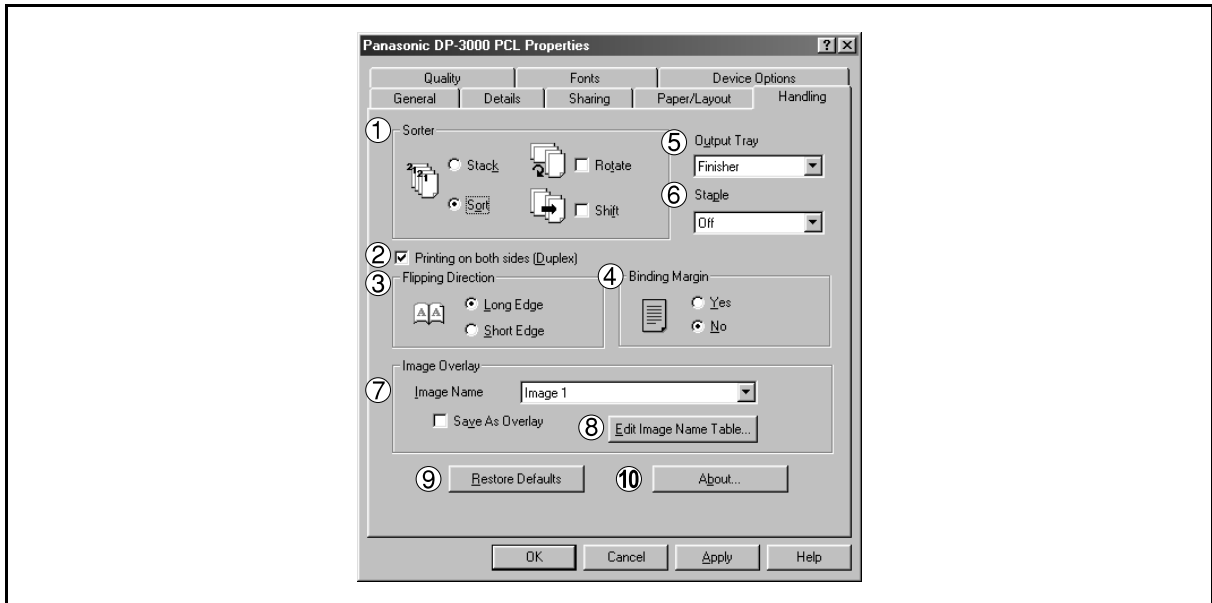
9. button

Displays the version information about the printer driver.

Configuring the Printer Driver Settings

Windows 95/98/Me

Handling Tab



1. Sorter

Select whether to Stack or Sort when printing multiple copies.

Note 1) When the **Staple** is set to On, the **Rotate-Sort** and **Shift-Sort** is not activated even if it is selected.

2) **Shift-Sort** is not available on DP-1810P/1810F/2010E.

2. Printing on both sides (Duplex) (For DP-2000/2010E/2500/3000)

Select duplex printing for printing on both sides.

Note 1) Duplex Printing is allowed only when the Dual-Path Exit Guide Unit, Paper Transport Unit and Automatic Duplex Unit (DA-FK200/FK210/MD200) are mounted.

2) Check [Duplex Unit] check box in **Device Options** Tab.

3. Flipping Direction (For DP-2000/2010E/2500/3000)

Select binding side (Long Edge/Short Edge) for duplex printing.

4. Binding Margin (For DP-2000/2010E/2500/3000)

Select the binding margin upon duplex printing.

The width of the binding margin is specified on the main unit.

5. Output Tray (For DP-2000/2500/3000)

Specify the output destination. (Auto Selection, Inner Tray 1, Inner Tray 2)

Note 1) Output Tray selection is allowed only with Dual-Path Exit Guide Unit, Paper Transport Unit, Exit Tray (Outer) or 1-Bin Finisher (DA-FK200/FK210/XT200/FS200) is installed.

2) Check [Inner Tray], [Finisher / Outer Tray] check boxes in **Device Options** Tab.

Configuring the Printer Driver Settings

Windows 95/98/Me

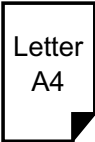
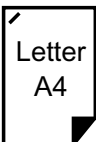
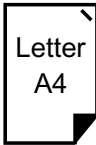
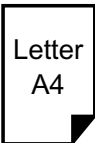
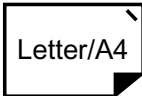
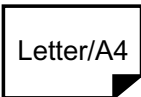
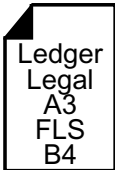
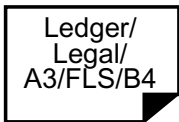
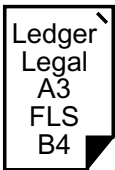
6. Staple (For DP-2000/2500/3000)

Specifying staple printing is allowed if the output bin is set to outer.

Note 1) Staple printing is allowed only with Electronic Sorting Board (DA-ES200 : For DP-2000 only) and 1-Bin Finisher (DA-FS200) mounted.

2) Select "Sort" in the sort menu.

3) Paper is stapled at the top left or at the top right. (See table below.)

Document orientation	Paper orientation	Stapling position
		Top left 
		Top right  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top right 
		Top left  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top right  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top left  Note) Stapling on Invoice/B5 sheet is not allowed.

Configuring the Printer Driver Settings

Windows 95/98/Me

7. Image Overlay

Select if you want to use the Overlay feature for printing.

Checking the Save As Overlay check box will save the page to be printed as an overlay image to the selected Image Name.

• To Save an Overlay Image

1. Create or open an existing file from your application.
2. When you are ready to save the page as an Overlay Image, from the Menu bar, select **File | Print**.
3. The Print dialog box appears. Select the Panafax facsimile unit printer driver and then click on the **Properties** button.
4. From the printer driver Properties dialog box, click on the **Handling** tab.
5. From the **Image Name** list box, select a desired name from the list.

NOTE: You can edit the image name to better describe the Overlay Image content for future reference by clicking on the **Edit Image Name Table...** button.

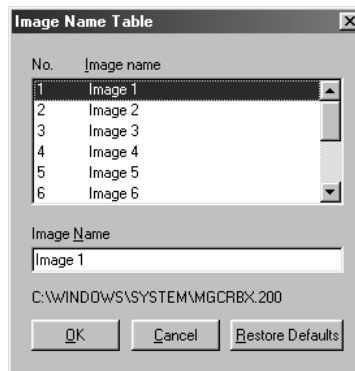
6. Check the **Save As Overlay** check box.
7. Click **OK** to close and save the settings of the printer driver Properties dialog box.
8. Click **OK** from your application's Print dialog box to save the page as an Overlay Image.

• To Print a document with an Overlay Image

1. Create or open an existing file to be printed with your application.
2. When you are ready to print the document, from the Menu bar, select **File | Print**.
3. The Print dialog box appears. Select the Panafax facsimile unit printer driver and then click on the **Properties** button.
4. From the printer driver Properties dialog box, click on the **Handling** tab.
5. From the **Image Name** list box, select a desired Overlay Image from the list.
6. Be sure the **Save As Overlay** check box is not checked.
7. Click **OK** to close and save the settings of the printer driver Properties dialog box.
8. Click **OK** from your application's Print dialog box to begin printing the document with the selected Overlay Image on top of each pages.

8. **Edit Image Name Table...** button

Edit the name of the Overlay Image to better describe its content.



9. **Restore Defaults** button

Return all items in the window to standard settings (default).

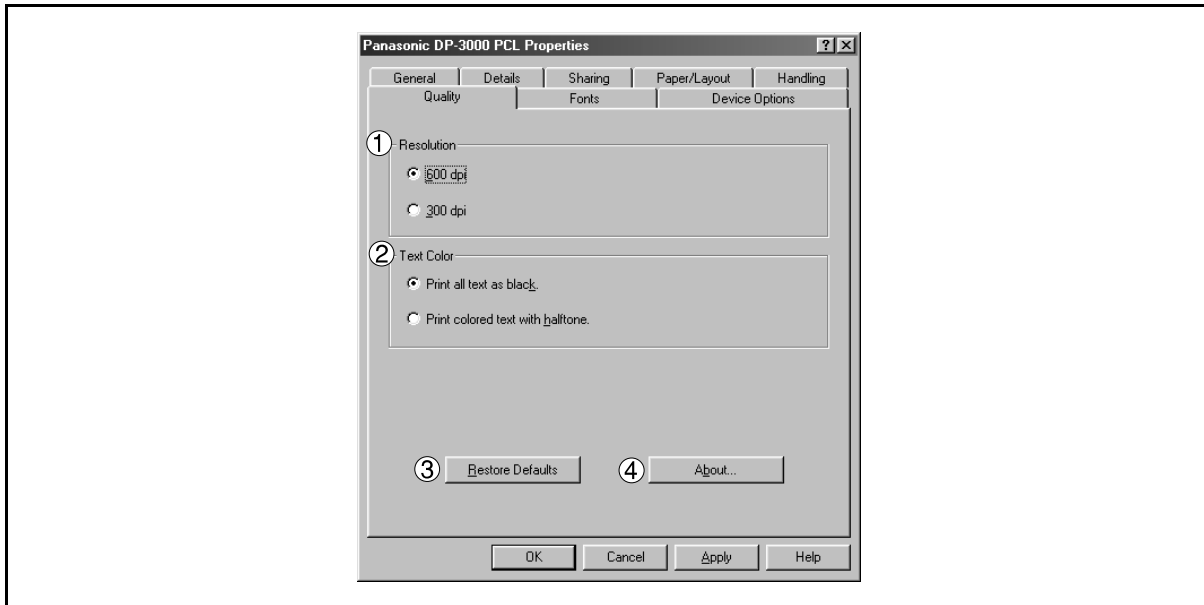
10. **About...** button

Displays the version information about the printer driver.

Configuring the Printer Driver Settings

Windows 95/98/Me

Quality Tab



1. **Resolution**
Select the printer resolution (300dpi/600dpi).
2. **Text Color**
Select the print control of colored text.
 - **Print all text as black**
All colored text is printed as solid black.
 - **Print colored text with halftone**
Colored text is printed using shades of gray.
3. **Restore Defaults** button
Return all items in the **Quality** Tab to standard settings (default).
4. **About...** button
Displays the version information about the printer driver.

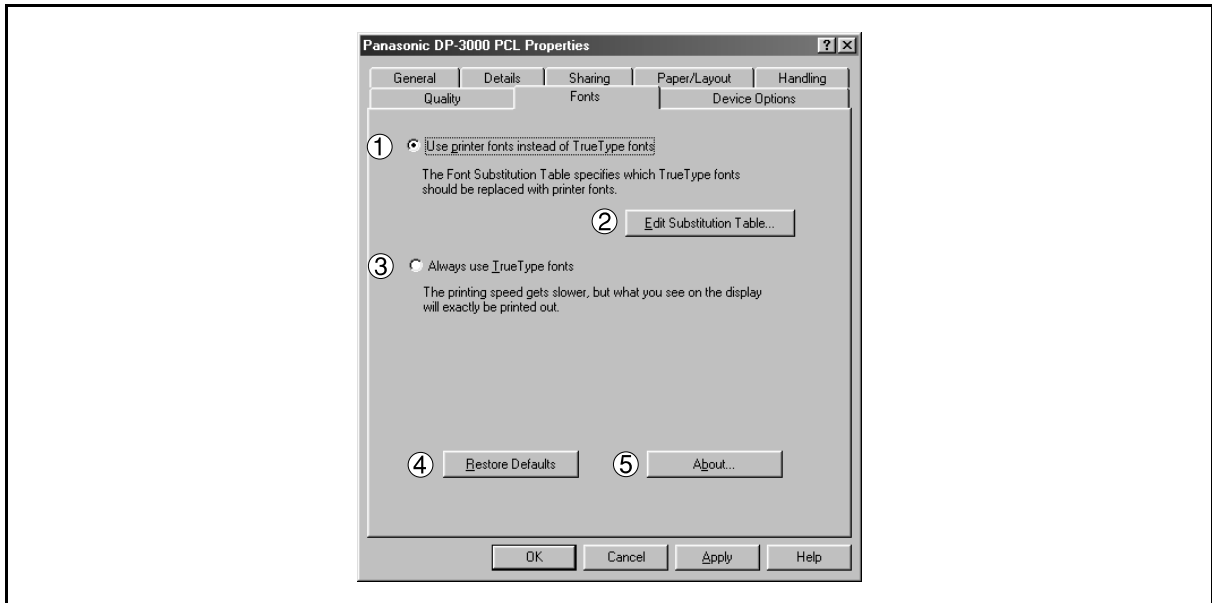
NOTE

1. **dpi** (dot per inch) means the number of dots contained in one inch. The higher the value is, the higher the resolution becomes.

Configuring the Printer Driver Settings

Windows 95/98/Me

Fonts Tab

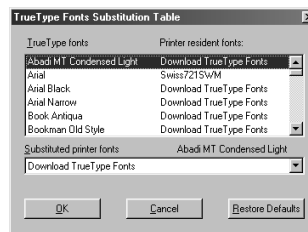


1. Use printer fonts instead of TrueType fonts

Prints using printer fonts, substituting for the TrueType fonts used in the original document. The substituting printer font can be set with the Font Substitution Table.

2. Edit Substitution Table button

Displays and edit the Font Substitution Table.



In the original setting, the Font Substitution Table is set to substitute TrueType fonts with the most similar printer fonts. However, if you wish to modify the substitution, select a font from the list of TrueType fonts displayed at the top and then select a corresponding Printer font from the Substituted printer fonts list box.

3. Always use TrueType fonts

Always uses TrueType fonts without substituting them with printer fonts.

4. Restore Defaults button

Return all items in the window to standard settings (default).

5. About... button

Displays the version information about the printer driver.

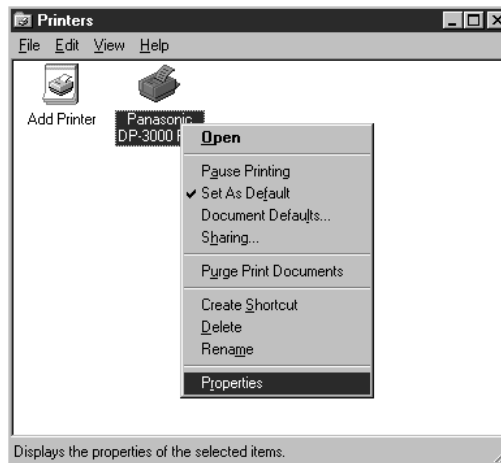
Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

To change the printer settings, open the dialog box for the printer properties by the following steps.

- 1** Log onto the computer/network with an account rights of Administrator.
- 2** Click the **Start** button, point to **Settings**, and then click **Printers**.
- 3** Right-click on the desired printer icon in the printers folder, and select **Properties** in the dropdown menu.

The printer properties dialog box appears.



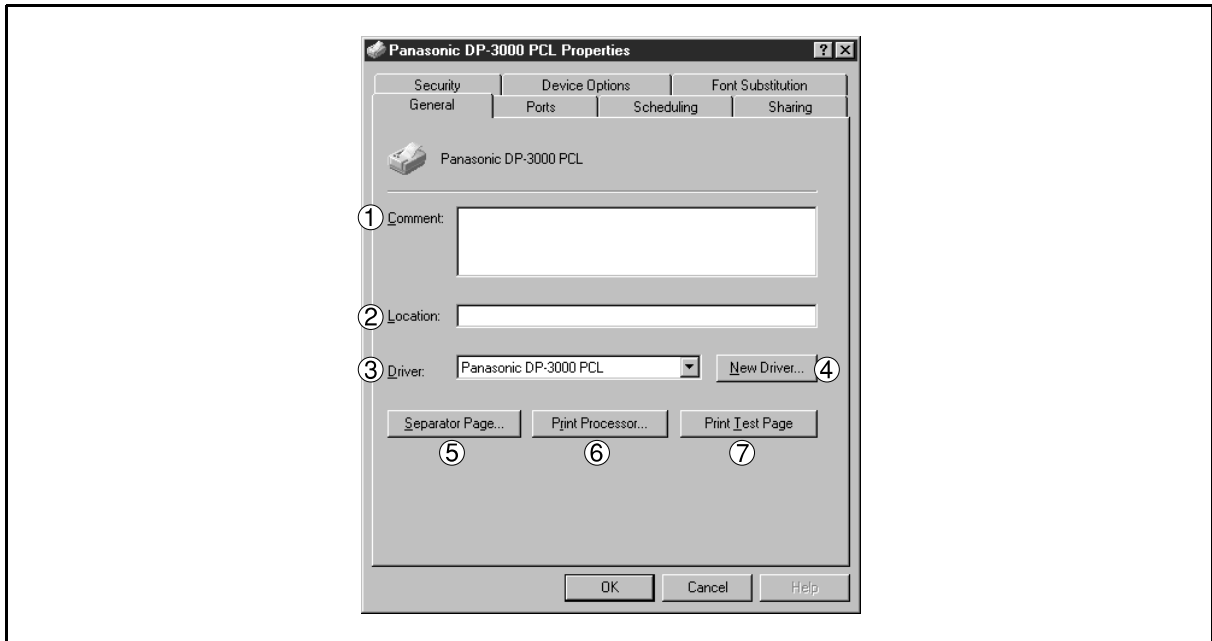
NOTE

1. In Windows NT 4.0, setting the properties depends on the log-in account. This section describes properties to be specified by an administrator (system manager). See "Configuring the Printer Driver Settings (User)" for details of user properties. (See page 41)

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

General Tab



1. **Comment**

Enter comments to the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an already set-up user will remain unchanged even if the comment is modified later.

2. **Location**

Specify the printer location.

3. **Driver**

Displays the printer driver type. Specify the printer being used or a printer model that can be emulated with the printer being used.

4. **New Driver...** button

Updates or modifies the printer driver.

5. **Separator Page...** button

This feature is not available on your machine.

6. **Print Processor...** button

Specify the processor to be used for printing (Print Processor) and the data type (Default Data type).

The processor and data type affect the manner in which the printer functions in Windows NT. Normally they do not need to be modified. However, modification might be necessary when the printer is used with a special application.

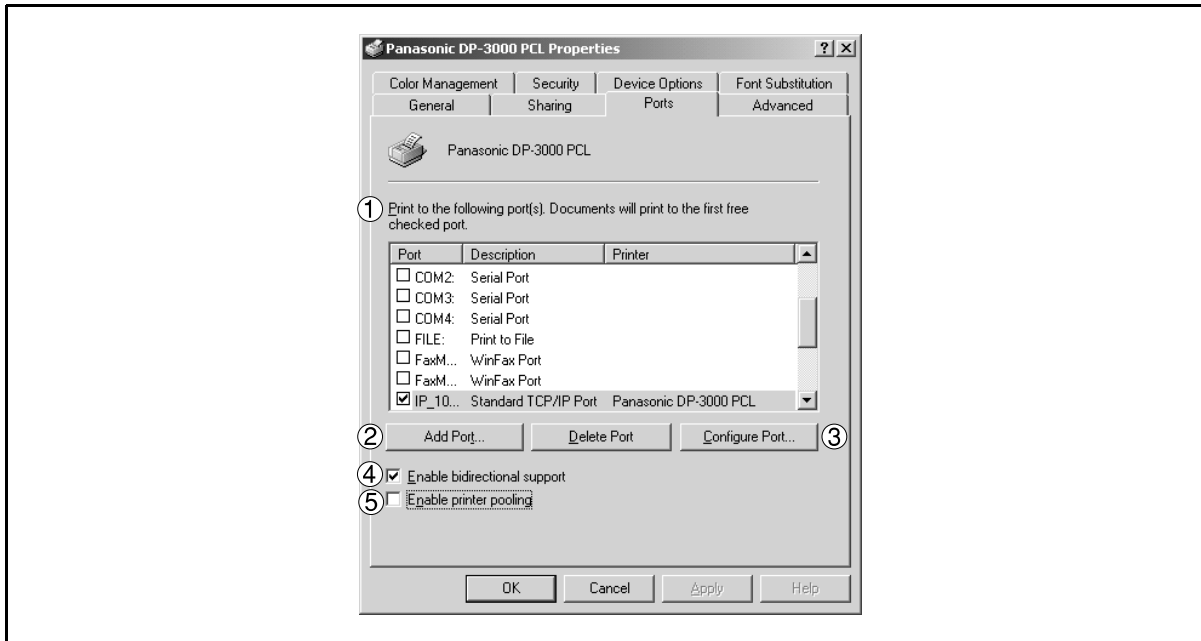
7. **Print Test Page** button

Prints a test page. This allows the user to verify if the printer is installed properly.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Ports Tab



1. Print to the following port(s)

Displays a list of available ports for printing (Port), their status (Description) and printers that are connected to these ports (Printer).

2. Add Port... / Delete Port... button

Adds/deletes a new port or a new network path.

3. Configure Port... button

Configures the selected port. In case of a parallel port, Transmission Retry should be specified.

4. Enable bidirectional support

On a printer, this setting enables reception of configuration data and status data from computer. Be sure to check this checkbox when installing status monitor. Printing may be disabled without checking on the checkbox.

5. Enable printer pooling

Printer spool allows outputting data from one logical printer to two or more printers. With printer spool enabled, a transmitted printing job is output to the first printer that allows printing.

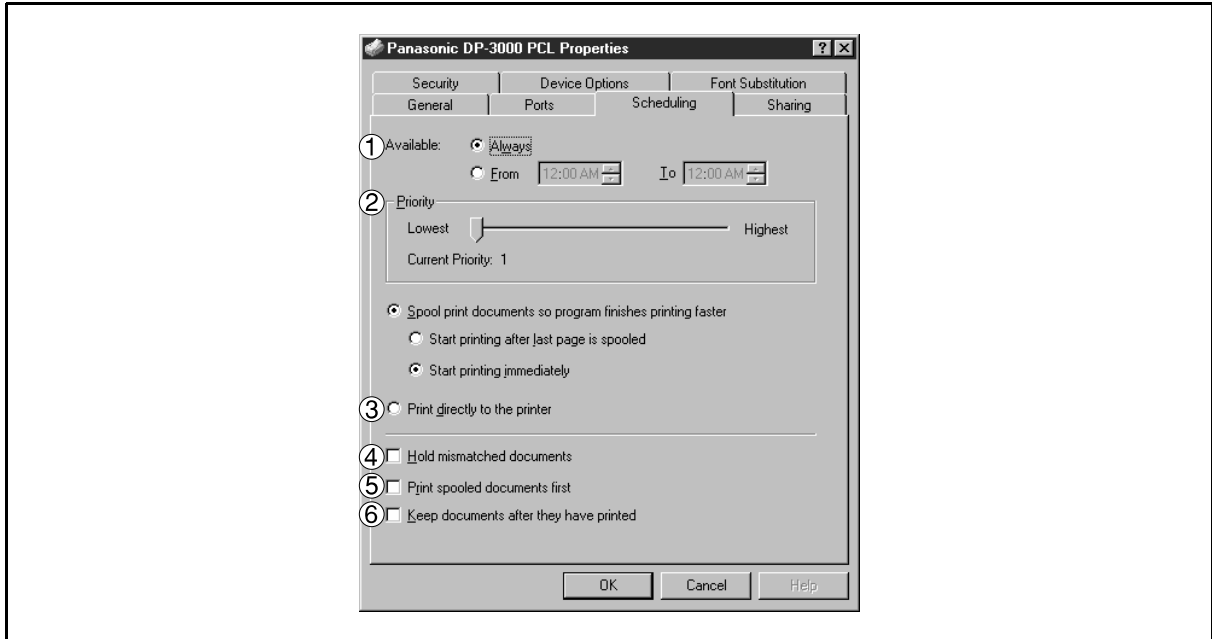
NOTE

1. Specify time (seconds) waiting for the printer to be ready for printing. If a printer is not ready for printing after the specified time has elapsed, an error message is displayed.
2. If a timeout error occurs frequently upon printing a large size document, specify a larger value here.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Scheduling Tab



1. Available

Schedules the printer for operation. Specify operating hours when **From-To** is selected.

2. Priority

Sets printing priority. The slider allows the priority to be adjusted from 1 through 99.

3. Spool print documents... / Print directly to the printer

Specify how documents should be sent from the application to the printer.

4. Hold mismatched documents

The spooler compares document settings against printer settings and holds printing of a document if its settings (Paper Size, Orientation, and so on) do not match the printer settings.

5. Print spooled documents first

Always prints spooled documents first regardless of printing priority.

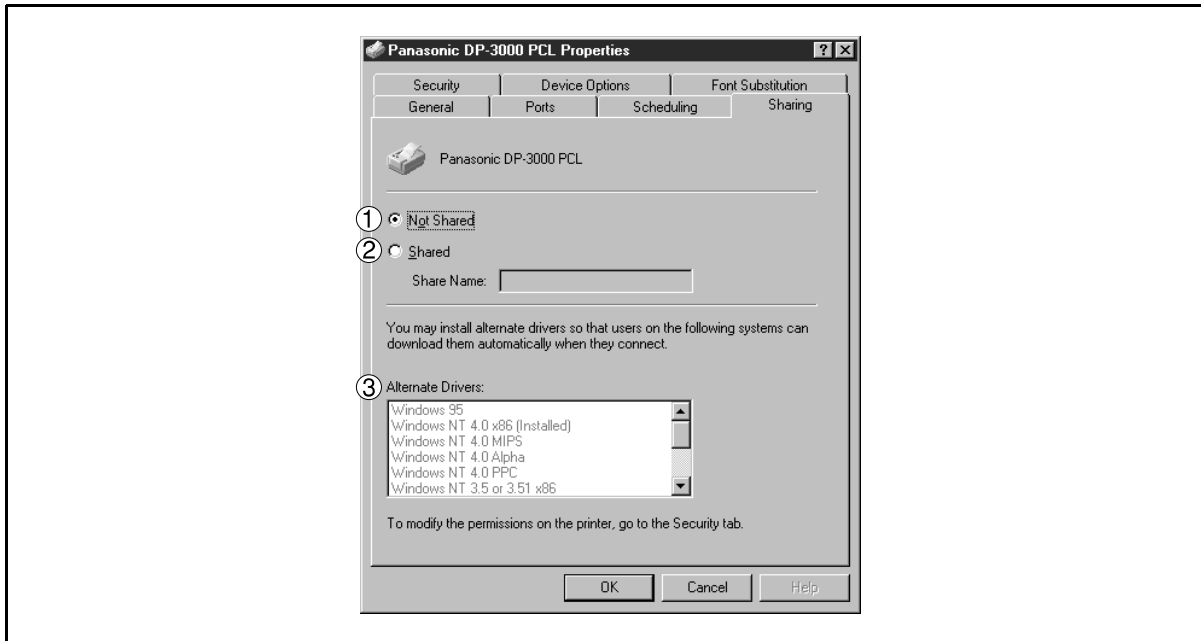
6. Keep documents after they have printed

Holds documents in the print queue even after they have been printed. These documents can be printed again directly from the queue regardless of the state the application is in.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Sharing Tab



1. Not Shared/Shared

Select whether to display or use this printer with other computers.

2. Share Name

Specify the name of the shared printer. The displayed name can be used as it is or a new name may be entered. The name specified at this time will be displayed when other users view information about the printer on the network.

3. Alternate Drivers

Specify the operating systems of other computers that might share this printer.

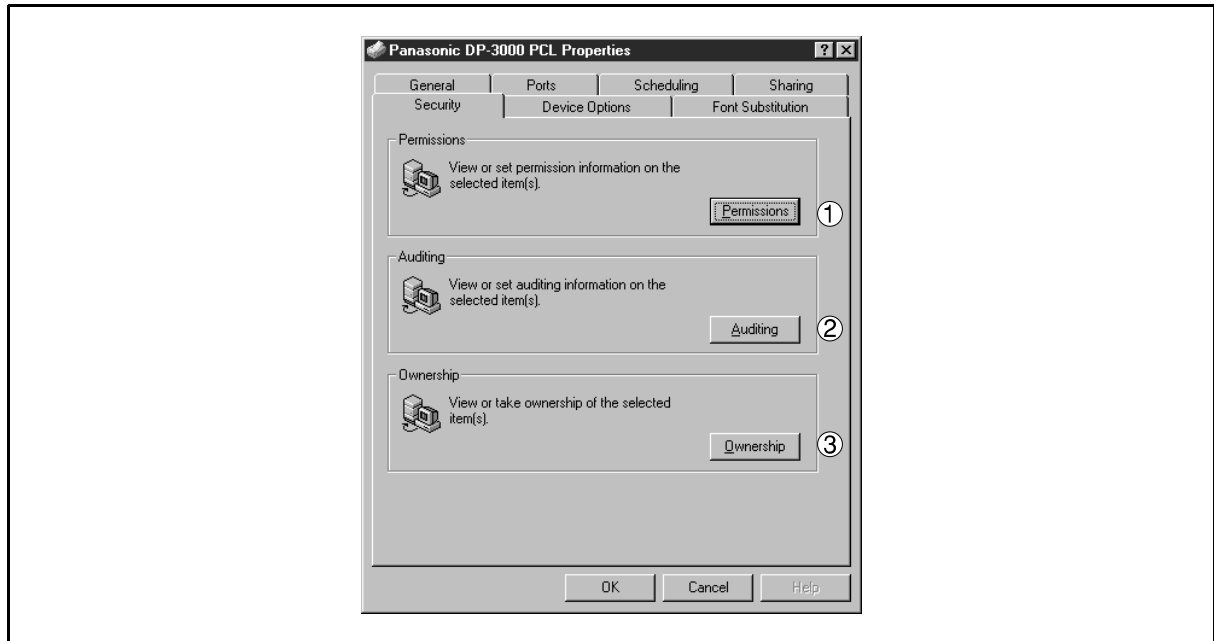
NOTE

1. When sharing a printer on the network, the print driver is installed on one print server, other computers will automatically copy and use that driver. For this reason, the print server must be ready with printer drivers for all the operating systems of all computers that will be sharing the printer.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Security Tab



1. **Permissions button**
Set printer access privileges.
2. **Auditing button**
Displays the persons who used this printer and how they used.
3. **Ownership button**
Set the ownership of the printer.

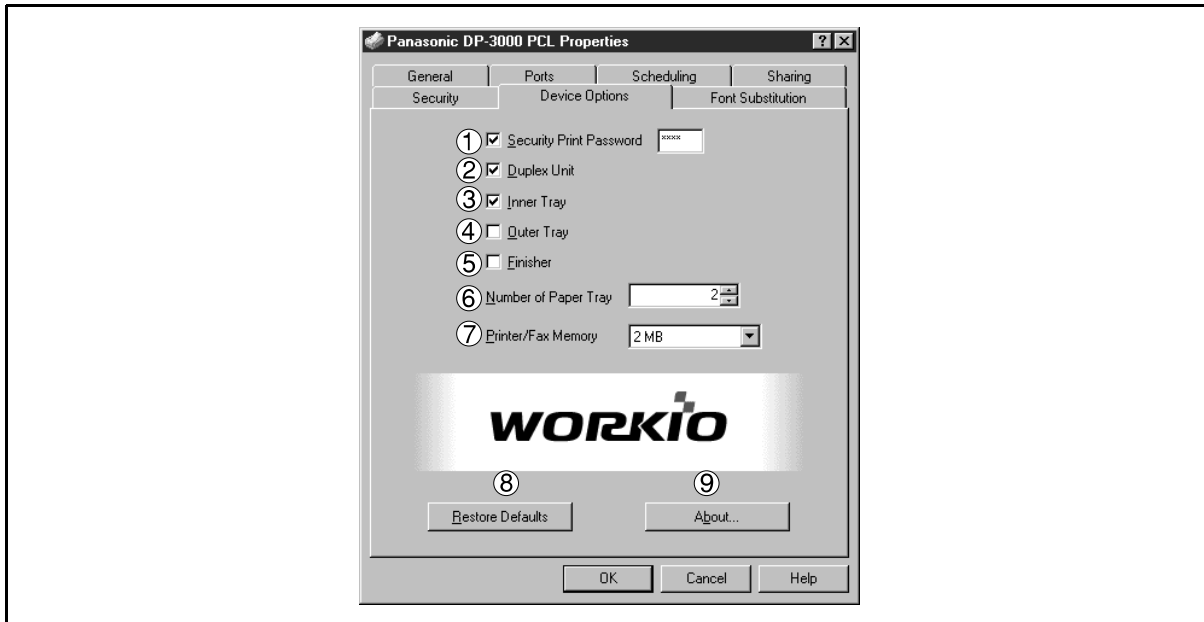
NOTE

1. In order to utilize these features, you need to have selected Audit... from User Manager's Policies and have enabled File and Object Access in the Audit Policy dialog box.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Device Options Tab



1. **Security Print Password (For DP-1810F/2000/2500/3000)**
Set the password for Security Print, to enable the feature.
2. **Duplex Unit (For DP-2000/2500)**
Check this checkbox if the Automatic Duplex Unit (DA-MD200) is installed.
3. **Inner Tray (For DP-2000/2500/3000)**
Check this checkbox if the Exit Tray (Inner) and the Dual-Path Exit Guide Unit (DA-XN200/FK200) are installed.
Specifying inner bins, Inner 1 and Inner 2, is allowed for printing on the printer.
4. **Outer Tray (For DP-2000/2500/3000)**
Check this checkbox if the Outer Tray (DA-XT200) is installed.
Setting of this option is allowed when the Inner Tray option is enabled.
5. **Finisher (For DP-2000/2500/3000)**
Check this checkbox if the 1-Bin Finisher (DA-FS200) is installed.
Setting of this option is allowed when the Inner Tray option is enabled. The staple function also is selectable when this option is enabled.
6. **Number of Paper Tray**
Select the number of available paper trays for the printer if an optional Paper Feed Module is installed.
7. **Printer/Fax Memory (For DP-1810F/2000/2500/3000)**
Select the size of the Expansion Flash Memory Card or whether a Fax Option (2MB) has been installed, to enable Security Print.
8. **Restore Defaults button**
Return all items in the **Device Options** Tab to standard settings (default).
9. **About... button**
Displays the version information about the printer driver.

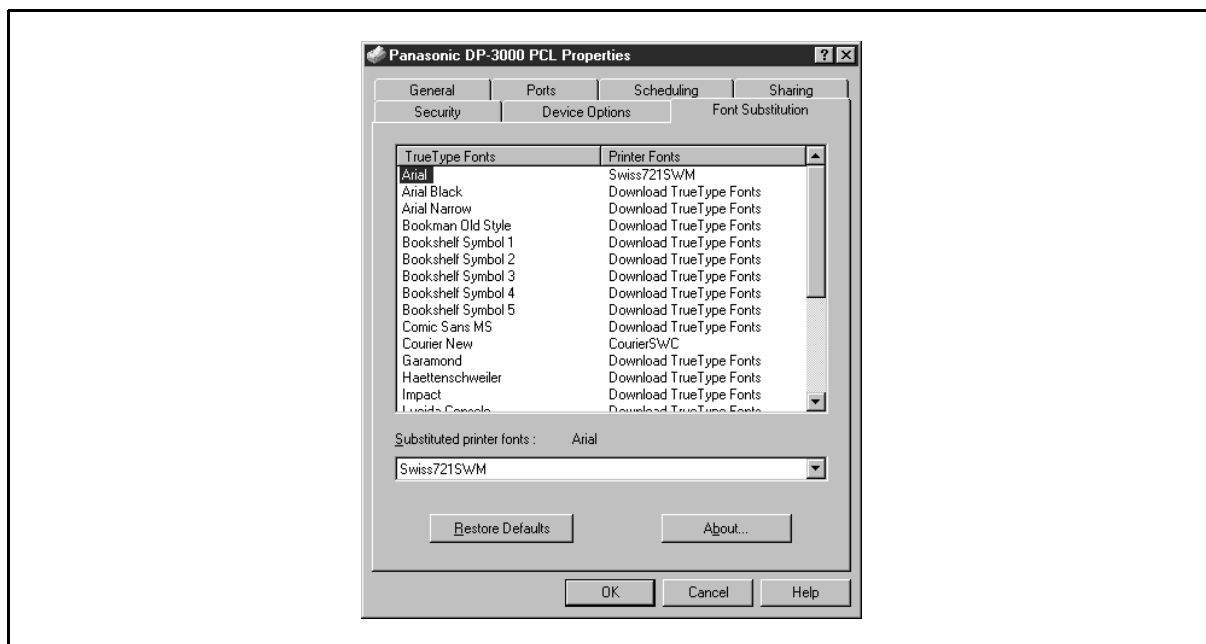
NOTE

1. **Device Options** Tab specifies device-specific settings and settings of optional devices.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Font Substitution Tab



Displays and edit the Font Substitution Table.

In the original setting, the Font Substitution Table is set to substitute TrueType fonts with the most similar printer fonts. However, if you wish to modify the substitution, select a font from the list of TrueType fonts displayed at the top and then select a corresponding Printer font from the Substituted printer fonts list box.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

To change the printer settings, open the dialog box for the printer properties by the following steps.

- 1** Select **Print** in the **File** menu of the application.
- 2** Select the printer model in the name box.
- 3** Click the button in the **Print** dialog box.
- 4** The printer properties dialog box appears. Click the desired tabs of the dialog box and specify the properties.

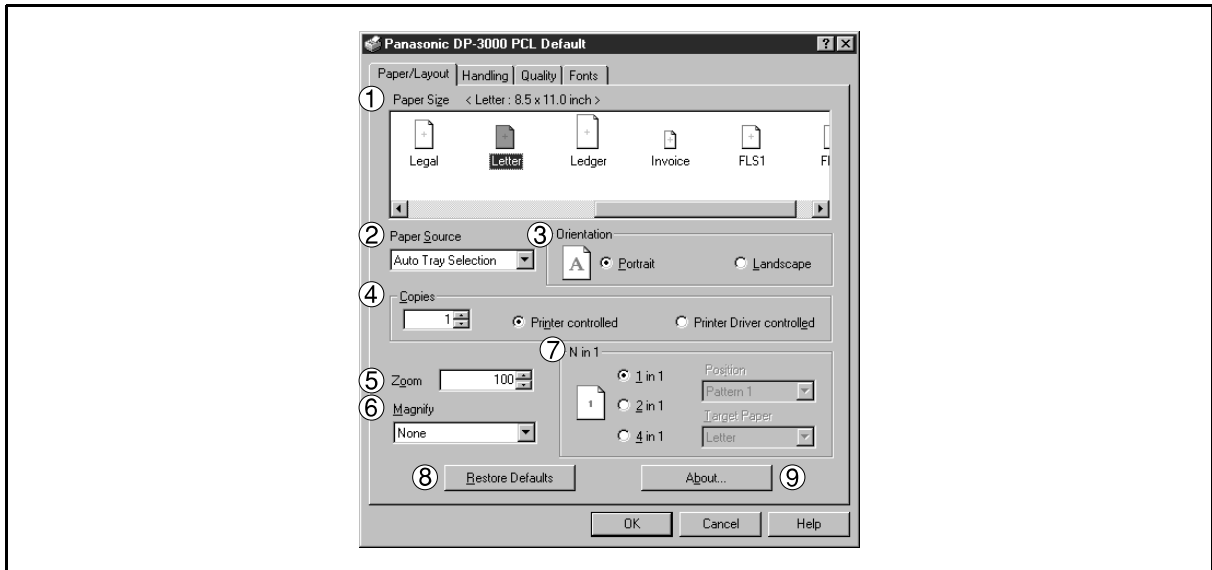
NOTE

1. In Windows NT 4.0, setting properties depends on the log-in account. This section describes properties to be specified by a user, upon executing a print operation on an application. See "Configuring the Printer Driver Settings (Administrator)" for details of administrator properties. (See page 33)

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

Paper/Layout Tab



1. Paper Size

Select a document size.

2. Paper Source

Specify where the paper you want to use is located in the machine. If you choose **Auto Selection**, the printer driver will automatically select an appropriate tray according to the Paper Size.

3. Orientation

Select the print orientation (Portrait/Landscape).

4. Copies (1-999)

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

DP-1810P/1810F/2010E/3000 Driver only

• Printer controlled

The printer controls numbers of copies.
(Prints faster utilizing the Sort Memory of printer.)

Note: If the Collation can be specified on the application's Print dialog box, make sure it is unchecked in order for this setting to function properly.

• Printer driver controlled

The printer driver controls number of copies.
(Prints slower not utilizing the Sort Memory of printer.)

5. Zoom (25-400%)

Specify an enlargement or reduction percentage when printing documents. If enlargement/reduction can be set within the application, indicate 100% here and specify the enlargement/reduction percentage in the Print dialog box of the application.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

6. **Magnify**

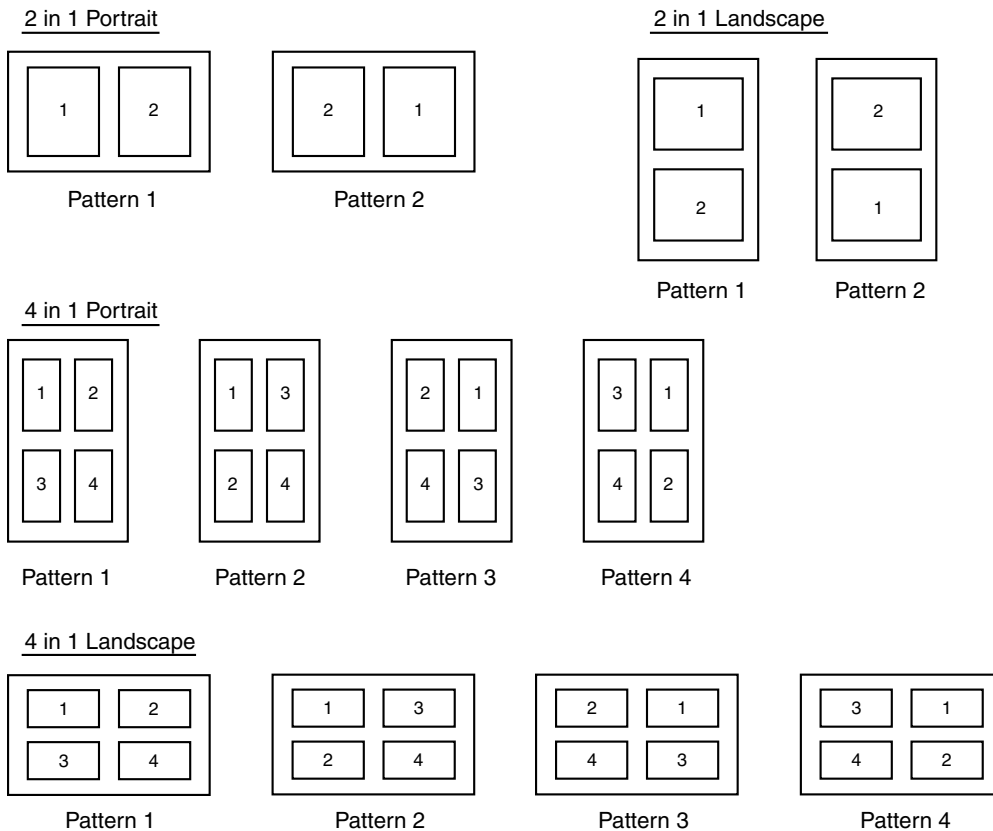
Select a fixed enlargement/reduction ratio according to the paper size. Specifying the magnification ratio changes the Zoom to display the actual enlargement/reduction percentage.

7. **N in 1**

Specify the layout pattern for printing multiple documents on a single sheet of paper.

Selecting 2 in 1 or 4 in 1 changes the Zoom to display the actual enlargement/reduction percentage.

Note: 2 in 1 or 4 in 1 allows the user to select the following layouts under the Position field:



8. **Restore Defaults** button

Return all items in **Paper/Layout** Tab to standard settings (default).

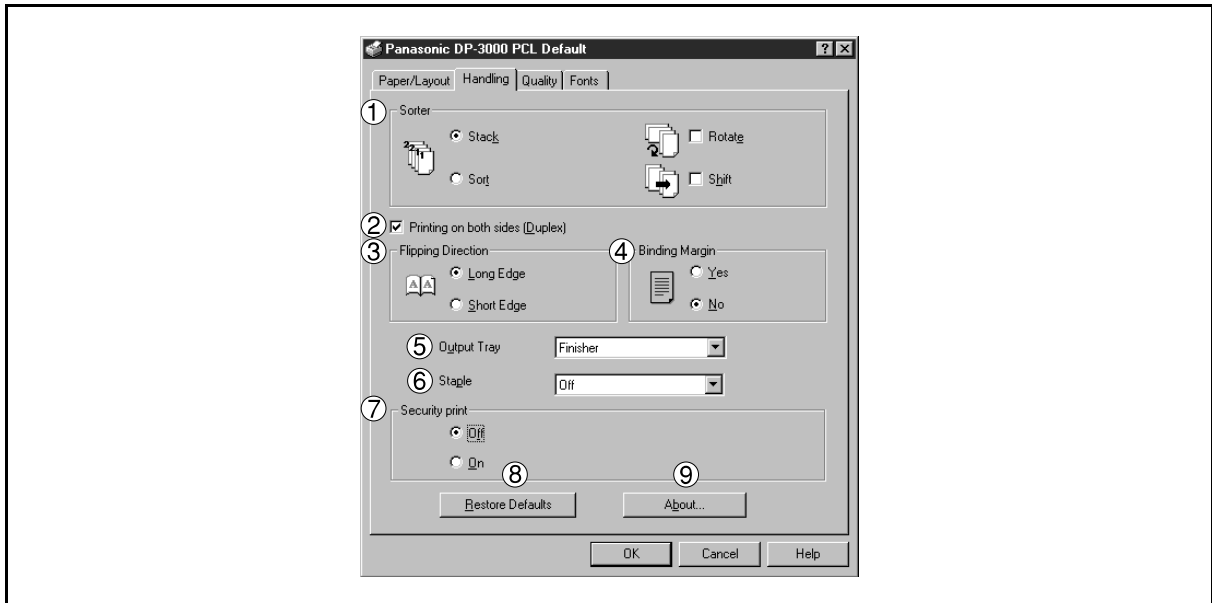
9. **About...** button

Displays the version information about the printer driver.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

Handling Tab



1. Sorter

Select whether to Stack or Sort when printing multiple copies.

Note 1) When the **Staple** is set to On, the **Rotate-Sort** and **Shift-Sort** is not activated even if it is selected.

2) **Shift-Sort** is not available on DP-1810P/1810F/2010E.

2. Printing on both sides (Duplex) (For DP-2000/2010E/2500/3000)

Select duplex printing for printing on both sides.

Note 1) Duplex Printing is allowed only when the Dual-Path Exit Guide Unit, Paper Transport Unit and Automatic Duplex Unit (DA-FK200/FK210/MD200) are mounted.

2) Check [Duplex Unit] check box in **Device Options** Tab.

3. Flipping Direction (For DP-2000/2010E/2500/3000)

Select binding side (Long Edge/Short Edge) for duplex printing.

4. Binding Margin (For DP-2000/2010E/2500/3000)

Select the binding margin upon duplex printing.

The width of the binding margin is specified on the main unit.

5. Output Tray (For DP-2000/2500/3000)

Specify the output destination. (Auto Selection, Inner Tray 1, Inner Tray 2)

Note 1) Output Tray selection is allowed only with Dual-Path Exit Guide Unit, Paper Transport Unit, Exit Tray (Outer) or 1-Bin Finisher (DA-FK200/FK210/XT200/FS200) is installed.

2) Check [Inner Tray], [Finisher / Outer Tray] check boxes in **Device Options** Tab.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

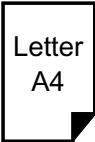
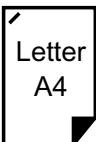
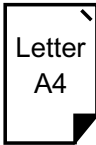
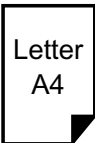
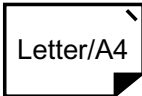
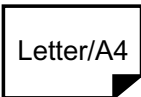
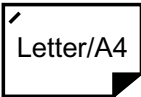
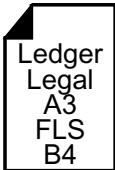
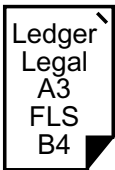
6. Staple (For DP-2000/2500/3000)

Specifying staple printing is allowed if the output bin is set to outer.

Note 1) Staple printing is allowed only with Electronic Sorting Board (DA-ES200 : For DP-2000 only) and 1-Bin Finisher (DA-FS200) mounted.

2) Select "Sort" in the sort menu.

3) Paper is stapled at the top left or at the top right. (See table below.)

Document orientation	Paper orientation	Stapling position
		Top left 
		Top right  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top right 
		Top left  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top right  Note) Stapling on Invoice/B5 sheet is not allowed.
		Top left  Note) Stapling on Invoice/B5 sheet is not allowed.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

7. **Security Print (For DP-1810F/2000/2500/3000)**

Select to enable Security Print.

Note: Security print is allowed only when the security print password is set on the Device Options Tab. (See page 39)

8. **button**

Return all items in the window to standard settings (default).

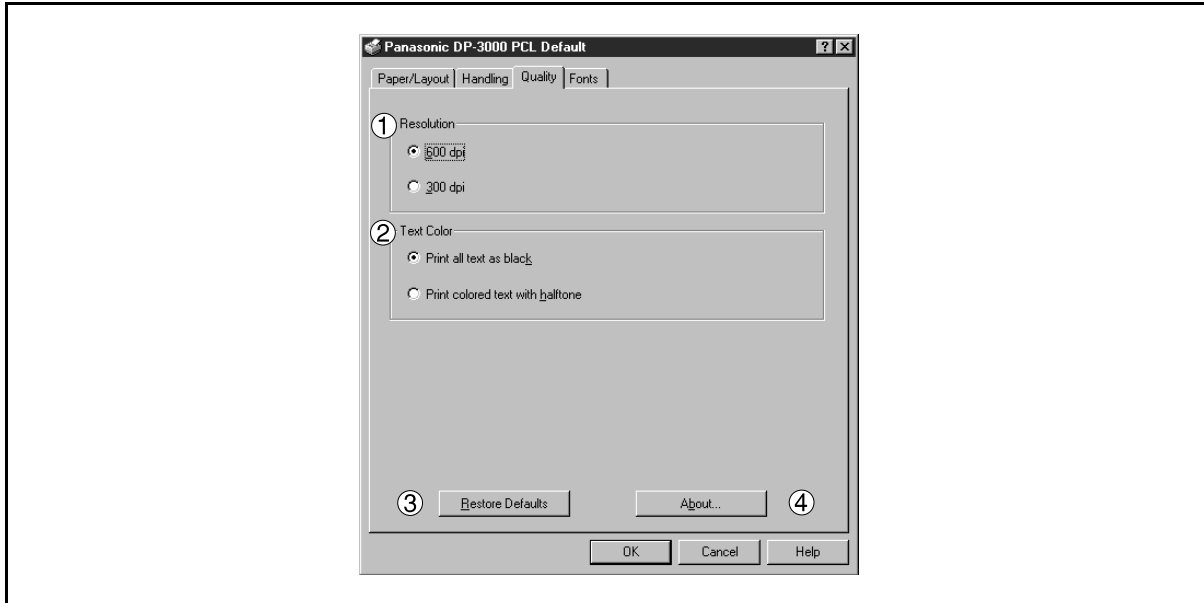
9. **button**

Displays the version information about the printer driver.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

Quality Tab



1. **Resolution**
Select the printer resolution (300dpi/600dpi).
2. **Text Color**
Select the print control of colored text.
 - **Print all text as black**
All colored text is printed as solid black.
 - **Print colored text with halftone**
Colored text is printed using shades of gray.
3. **Restore Defaults** button
Return all items in the **Quality** Tab to standard settings (default).
4. **About...** button
Displays the version information about the printer driver.

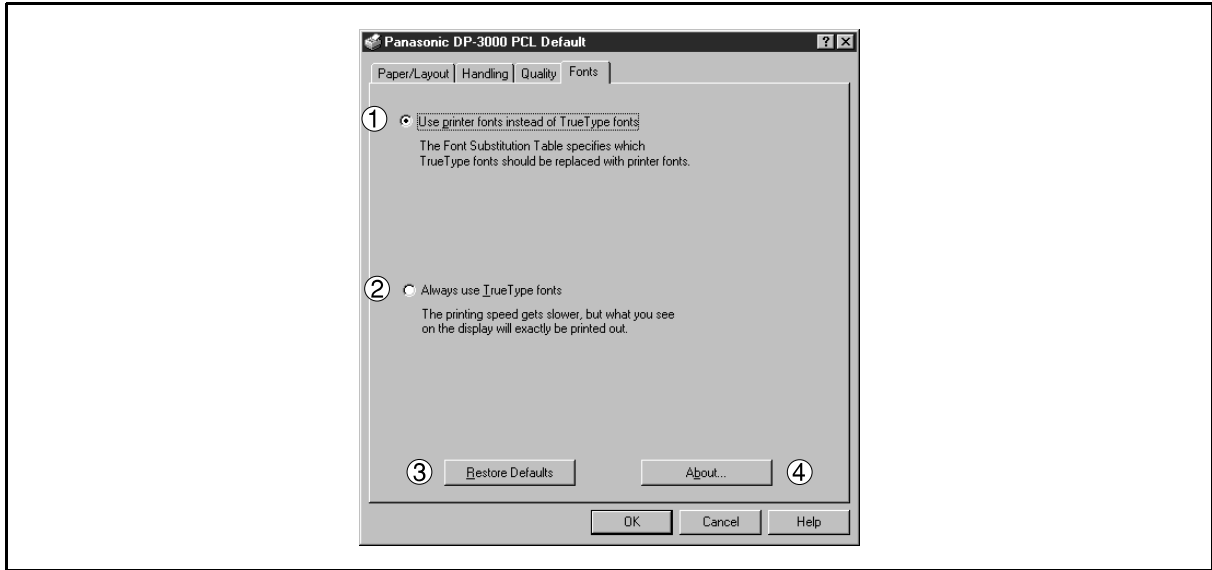
NOTE

1. **dpi** (dot per inch) means the number of dots contained in one inch. The higher the value is, the higher the resolution becomes.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

Fonts Tab



1. Use printer fonts instead of TrueType fonts

Prints using printer fonts, substituting for the TrueType fonts used in the original document. The substituting printer font can be set with the Font Substitution Table.

2. Always use TrueType fonts

Always uses TrueType fonts without substituting them with printer fonts.

3. Restore Defaults button

Return all items in the window to standard settings (default).

4. About... button

Displays the version information about the printer driver.

NOTE

1. For information regarding setting the Font Substitution Table, see "**Font Substitution Tab**" (See page 40).

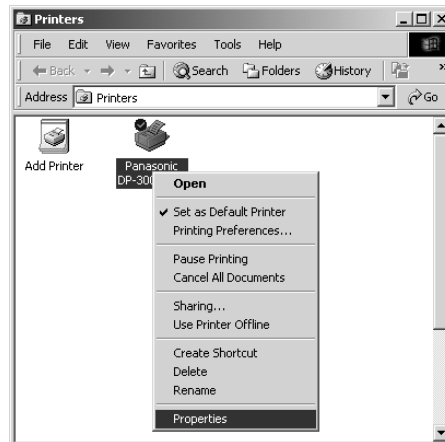
Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

To change the printer settings, open the dialog box for the printer properties by the following steps.

- 1** Log onto the computer/network with an account rights of Administrator.
- 2** Click the **Start** button, point to **Settings**, and then click **Printers**.
- 3** Right-click on the desired printer icon in the printers folder, and select **Properties** in the dropdown menu.

The printer properties dialog box appears.



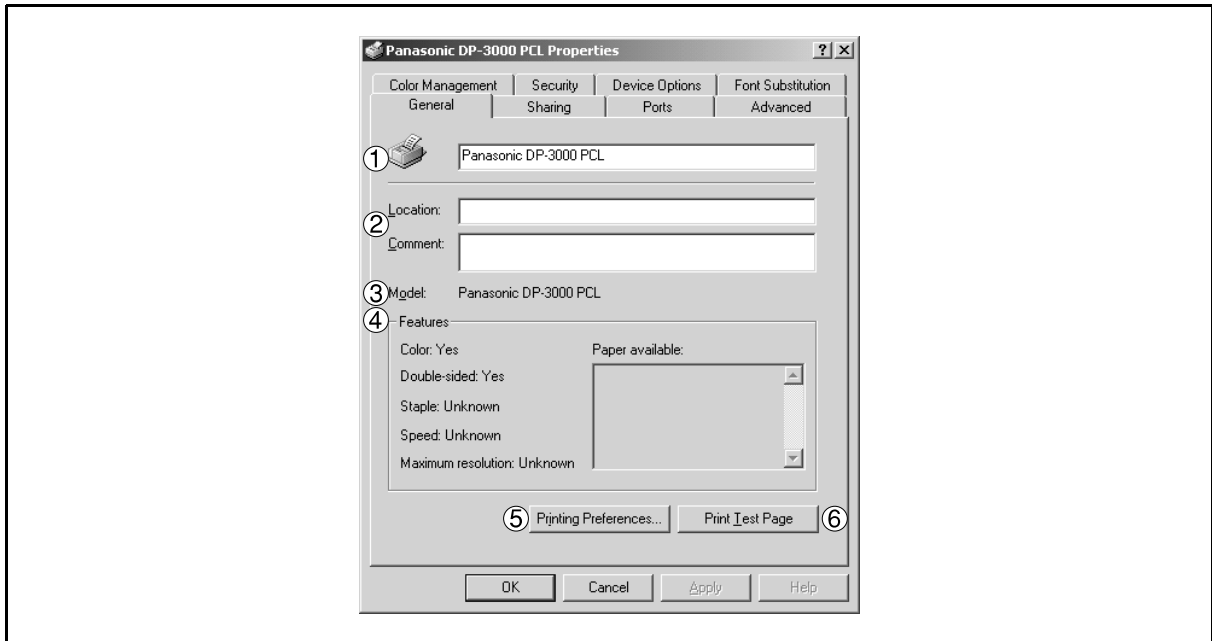
NOTE

1. In Windows 2000/XP, setting the properties depends on the log-in accounts. This section describes properties to be specified by an administrator (system manager). See "Configuring the Printer Driver Settings" for details of user properties. (See page 58)

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

General Tab



1. **Printer Name**

Name of the printer specified upon installation is displayed.

2. **Location and Comment**

Enter a comment about the location of the printer installation and information about the printer.

If a printer is shared, the location and comment specified in this field appears when another user sets up this printer on his/her computer. After completion of setup, however, changing this comment does not update the location and comment appearing on users PCs.

3. **Model**

Model name of the printer is displayed.

4. **Features**

Functions and settings of the printer are displayed.

5. **Printing Preferences...** button

Changes properties (print settings) specifiable for each user.

Refer to "Configuring the Printer Driver Settings (User)" for details of settings (See page 58).

6. **Print Test Page** button

Prints a test page. This allows the user to verify if the printer is installed properly.